ESTIMATING THE DISTRIBUTION AND CHARACTERISTICS OF UNDISCOVERED MAMMAL SPECIES

by

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(Under the Direction of John L. Gittleman)

ABSTRACT

Although the Earth is biodiverse, the extent of this diversity is largely unknown. Various approaches are available to estimate species numbers, ranging from expert opinions to extrapolation from macroecological patterns to estimates from known taxonomic patterns. Taxonomic specialists suggest an order of magnitude estimation. Scaling from local/regional richness or body size distributions to global diversity provides more accurate estimates and demonstrates the importance of these traits. The most empirically reliable method utilizes species accumulation and taxonomic effort. In chapter 2, a more widely applicable model that refines previous methods was developed by assuming a Poisson distribution for species described in time intervals, then using maximum likelihood to estimate the parameters for an unknown intensity function.

Estimates of species numbers provide information only on the scope of unknown diversity. Biological and ecological traits associated with the likelihood of species discovery suggest a guide for taxonomic investigations. In chapter 3, a survival analysis indicated correlations between several traits across all mammals and within the most populous mammalian orders. Like previous studies, geographic range size and adult body mass are the most important

traits in species discovery across all mammals. Within some orders (i.e., Chiroptera and Diprotodontia) human population density is also an important predictor. Taxonomic order and biogeographic realm are the most important in the earliest time period of species discovery and geographic range size increases in importance over time. Overall, undiscovered species are small, have small ranges, are tropical dwellers far from human populations, and have small litters.

To date, studies of discovery correlates have been across higher taxa (order and above). Chapter 4 presents analyses performed at a lower taxonomic level, a single family of rodents (Muridae), to assess if patterns of species numbers and discovery correlates are mirror those in higher taxa. Like all mammals, 5% of murids remain unknown and geographic range size is the most important discovery correlate. In contrast, genus is second and body size is last in importance for murids. These global studies of discovery offer similar results at varying taxonomic levels, suggesting that the methods employed here may provide broader insights about unknown species.

INDEX WORDS: biodiversity, unknown species, conservation, taxonomic effort, total number of species, biocorrelates, species discovery

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BS, Cornell University, 2013

A Dissertation Submitted to the Graduate Faculty of The University of Georgia in Partial Fulfillment of the Requirements for the Degree

DOCTOR OF PHILOSOPHY

ATHENS, GEORGIA

2019

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May 2019

ACKNOWLEDGEMENTS

Thanks to all of the Odum School of Ecology students, faculty, and staff for the support and friendship I have received over the last 5 years. To Katherine Adams, you deserve my most sincere thank you. You have been a friend, a coworker, and an advisor throughout my graduate study. To my fellow graduate students, you have made this experience enjoyable and I look forward to seeing you all succeed as well. To my family, thank you for the support and the push to succeed. To my professors, thank you for teaching me what you could and helping teach me to perform my own research. I would like to thank JP Schmidt for his help in method determination, his input was invaluable in learning to use the gbm package and figure out what the results actually mean.

Thank you to the Georgia Museum of Natural History, American Museum of Natural History, Smithsonian Institution Museum of Natural History, Field Museum of Natural History, and Museo Argentino de Ciencias Naturales for allowing me to use your specimens and work at your museums. A special thank you to the curators/collection managers who worked with me: Nikole Castleberry, Darrin Lunde, Bruce Patterson, Lawrence Heaney, Eleanor Hoeger, and Pablo Teta.

And finally, my most sincere appreciation goes out to my committee: John Gittleman, Patrick Stephens, John Drake, and Kristofer Helgen. You all put many, many hours into helping me with my science, my writing, and putting up with getting me through the process. I couldn't have done this without your support.

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CHAPTER 1

INTRODUCTION

Roughly 1.7 million species have been described over the last 250 years, with an estimated 6.5 million still undiscovered (Mora *et al*. 2011, Pimm *et al*. 2014, Fisher *et al*. 2018). Methods used to discover new species range from genetic differentiation to field observation to traditional systematic study of anatomy. Irrespective of method, new species description is paramount today as extinction rates rise and we risk losing species before discovery (Pimm *et al*. 2014). The loss of unknown species has and will continue to result in the loss of information concerning biodiversity, which increases the complexities and number of unknowns in understanding the life and ecosystems of Earth.

A variety of approaches and study systems have been used to explore patterns of unknown biodiversity. Some researchers focus macroecological studies on a given species clade, whereas others focus on a single group or region. Although global analyses are useful to understand the total magnitude of species richness, global studies are unable to account for the variation in characteristics between species groups. The factors that ultimately drive patterns of diversity tend to vary both spatially and taxonomically, therefore, focusing on particular groups or regions allows more specific information to be analyzed for more robust results. Far less than 80% of species have been discovered in most taxa (Mora *et al*. 2011), and it is difficult to estimate how many species there are or what they are like unless a majority has already been discovered. Mammals are a well-known clade, where about 95% of species have been discovered (Fisher *et*

al. 2018). By investigating patterns in mammals, it is possible to obtain accurate results and develop new methods that can be applied to other, less well-known taxa.

A major concern of conservation biologists is the loss of species to extinction. In order to know about endangered species before they are lost to science, we must also investigate the large number of unknown species and work toward increasing the number of known species. This dissertation will address this concern, reviewing what is known across all mammal species to then examine how to improve our knowledge and methodology more rigorously and in novel ways. Here I present a brief review about known species diversity, methods for estimating how many unknown species remain, the role of taxonomists in species discovery, and the relationship between discovery and extinction.

Known Species and Synonymy

The Catalogue of Life lists more than 1.7 million living species that are currently known to science (Roskov *et al*. 2018). Although this catalogue and similar inventories attempt to account for known synonyms (species described multiple times), more are created even as others are removed through taxonomic revisions. This process of revision is ongoing and will involve reconciliation of synonyms long after the last new species is discovered. In mammals, a recent study lists 6,399 described species of mammals (Burgin *et al*. 2018). Compared with the last revision, this list contains about 6 times more species splits than lumps (Burgin *et al*. 2018). However, Burgin *et al*. (2018) do not assess synonymy among the roughly 1,000 mammal species that have been added since the last mammalian checklist. Previous to this addition, there was an average of three synonyms per recognized mammalian species (Reeder *et al*. 2007), suggesting that of these newly described species, up to three quarters may, in fact, be synonyms. The large proportion of likely synonyms suggests that the number of known species will

continue to modulate based on taxonomic naming culture, highlighting the importance of understanding the percentage of species (a relative estimate) that remain unknown rather than specific numerical values (an absolute estimate). For example, estimating that 5% (or hundreds) of mammal species remain unknown is more relevant to conservation and discovery efforts than estimating that 303 mammal species remained unknown after 2010 (Fisher *et al*. 2018). Although not addressed in this dissertation, the number of unidentified synonyms present in the list of species used to estimate the number of species remaining could inflate the estimated result. Conversely, species which have previously been lumped together but have recently or will in the future be discovered to no longer be synonyms contribute to underestimates of total species. Additionally, a future study of the geography of where synonyms have occurred could reveal important discoveries about the species in that area and the causes of synonymy.

Estimates of Unknown Species Diversity

Modern estimates for the total number of species (both known and unknown) range from 2 million (Costello *et al*. 2012) to 1 trillion (Locey and Lennon 2016) depending on methods of estimation and focal clades (e.g., inclusion of prokaryotes). Broad scale empirical data and new statistical models that indicate confidence intervals provide greater confidence in estimates for the total number of species (Costello *et al*. 2012, Costello *et al*. 2013b). Mora *et al.* (2011) extrapolated the total number of species based on the pattern of discovery of higher taxa, suggesting that about 8.7 million (± 1.3 million SE) species exist, with little attention given to prokaryotic species. Similarly, Costello *et al.* (2012) analyzed species description rates to predict that 1.8-2 million total species exist.

Despite previous methods of estimation, Stork (2018) determined that the mean estimate for the number of terrestrial arthropods alone is about 7 million species, lending credence to

estimates for the total number of species in the millions or billions. One estimate by Larsen *et al*. (2017) that takes into account all species groups at the kingdom level and uses arthropods and species-specific parasites as a substitute for animal species richness predicts that 1-6 billion species exist (Larsen *et al*. 2017). In Larsen's study, the majority of species richness can be attributed to bacterial diversity, followed by an almost even division among animals, fungi, and plants, which agrees with the estimate of Stork (Larsen *et al*. 2017). Although newer predictions suggest that a larger proportion of species is unknown than previous estimates suggested (Payo-Payo and Lobo 2016), this is not an insurmountable number of species to discover, especially as the number of taxonomists describing species continues to increase.

In contrast to the almost incomprehensible numbers of species remaining to be discovered overall, results in chapter 2 indicate that only about 5% of mammalian species remain unknown (Fisher *et al*. 2018). While the actual number of mammalian species depends on which assessment of species numbers is used (5,860 in Fisher *et al*. 2018 to 6,719 in Burgin *et al*. 2018), this does suggest that there is reasonable probability that nearly all mammal species can be discovered. The relatively complete catalogue of mammal species makes it ideal for testing novel predictive models to later apply to less completely described clades. In this dissertation, an author-species accumulation model (Mora *et al*. 2011) previously developed for use in plants (Joppa *et al*. 2011a) was modified to predict how many total mammal species must exist to see the current pattern of species description. By doing this, we found that about 5% or 300 mammal species remain unknown, with the most unknown species to be found in the afrotropic and neotropic regions (Fisher *et al*. 2018). This work was important to determine how many unknown species of mammals there are as well as where we will find them.

The Role of Taxonomists

Despite arguments that the number of taxonomists – defined as the authors on a manuscript in which a species new to science is described for the first time – have been decreasing (Hopkins and Freckleton 2002), analyses suggest that, in the last 50 years, the number is actually increasing and that the proportion of part-time taxonomists (taxonomists having only described a single species) is constant (Joppa *et al*. 2011b, Costello *et al*. 2012, Costello *et al*. 2013a, Costello *et al*. 2013b, Costello 2016, Arfianti *et al*. 2018). However, the number of species described per taxonomist is decreasing (Costello *et al*. 2013a). This is inconsistent with the idea that there are fewer taxonomists today than previously. In addition, this suggests that the number of species remaining undiscovered must be decreasing as the number of taxonomists increases. In chapter 2, the number of taxonomists describing species is defined as taxonomic effort, an input used in the modified author-species accumulation model that estimates the total number of species. Traditional species accumulation models seek to estimate the asymptotic (i.e., total) value for cumulative numbers of species based solely on current patterns of species accumulation. To produce more accurate results, this work utilizes taxonomic effort in addition to species accumulation to predict the number of unknown species from a combination of both patterns (Fisher *et al*. 2018).

Extinction Rates versus Species Description Rates

Current extinction rates are comparable to the mass extinctions of the geological past (Barnosky *et al*. 2011, Pimm *et al*. 2014, Ceballos *et al*. 2015, Ceballos and Ehrlich 2018). The current rates of extinction surpass background rates, regardless of whether the estimates are conservative (2 E/MSY) or not (0.1-1 E/MSY) (Pimm *et al*. 2014, Ceballos *et al*. 2015). Although some argue that the current extinctions are an inevitable consequence of evolution

(Pyron 2017), this view ignores two key issues. First, the current rate of extinction is at least 100 times greater than conservative background rates (Pimm *et al*. 2014, Ceballos *et al*. 2015). Second, such mass extinctions are the result of either a catastrophic but short-lived event that results in mass mortality, or the result of a decades- to century- long event which changes the environment such that species can no longer persist or evolve. Rates of extinction, orders of magnitude higher than typical background rates, are unlikely to reflect natural "deaths" (Raup 1992) caused by gradual change. Theoretically, evolution could continue without mass extinction events for as long as conditions allow. Although this has been the case between mass extinctions, we are currently seeing greatly increased rates of extinction, more similar to the rates of previous mass extinctions than the background rates between them (Barnosky *et al*. 2011, Ceballos *et al*. 2015).

Whereas estimating the numbers of all new descriptions and extinctions is a somewhat intractable problem, we can make accurate assessments across mammalian species. Although the background extinction rate for mammals is similar to that of all species, the current extinction rate is similar to or higher than for other vertebrate species groups (Ceballos *et al*. 2015). Mammals are currently being described at an increasing rate of about 350 species per decade with an extinction rate of 96 per 500 years (or 1.92 per decade) (Burgin *et al*. 2018). At current rates, we should be able to describe all mammalian species within the next decade, even with only two species going extinct in that time period. In addition, extinction rates are high in Asia, a region predicted to contain the largest percentage of unknown species as compared with the number of known species in the region (Fisher *et al*. 2018). The large proportion of unknown species coupled with a high risk of extinction within a region may, however, suggest that some species will not be discovered before extinction. Moreover, if we use a 5% extinction rate in

mammals, 300-350 mammal species would go extinct within a decade, a value similar to the number of species that would be described. While these rates suggest that we can describe all mammals before extinction, actual extinction rates may be much larger than anticipated or become non-linear based on a combination of causes acting synergistically.

Estimating the Characteristics of Unknown Species

Rather than assessing the characteristics of a large clade on a global scale, most studies of biological traits focus on a single group or region (e.g., the Brazilian Cerrado (Diniz-Filho *et al*. 2005) or carnivores and primates (Collen *et al*. 2004)). Critical for conservation efforts, analyses of the relationships between biological/ecological traits and extinction risks have revealed that small geographic range size and both small and large body size contribute to high risk of extinction (Jones *et al*. 2003, Cardillo *et al*. 2004, Cardillo *et al*. 2005, Cardillo *et al*. 2006, Cardillo *et al*. 2008, Dulvy *et al*. 2014, Böhm *et al*. 2016, Davidson *et al*. 2017, Ripple *et al*. 2017). Therefore, understanding this relationship between body and range size combined with how human activity contributes to extinction risk, both directly and indirectly, is critical for conservation efforts. However, in order to aid in the discovery of unknown species, understanding the biological and ecological characteristics that correlate with description date can provide suggestions of traits associated with being newly found. Similarly to extinction correlates, body mass and geographic range, along with the addition of human population density, are often the most important traits in determining the date of description (Reed and Boback 2002, Cabrero-Sañudo and Lobo 2003, Collen *et al*. 2004, Diniz-Filho *et al*. 2005, Stork *et al*. 2008, Costello *et al*. 2015, Meiri 2016, Moura *et al*. 2018). Researchers have found that the relative importance of these traits depends on the range and variance of the traits within each group or region investigated.

In mammals, correlates of description date have only been examined in primates and carnivores (Collen *et al*. 2004). Although this work has supported the importance of body size and geographic range size in determining date of description, the investigation of other traits (e.g., litter size, human population density, and taxonomy) and across other orders (e.g., rodents, artiodactyls, and soricomorphs) in chapters 3 and 4 provides a more robust examination of which characteristics may be found in newly discovered mammal species.

Conclusion

The current state of global taxonomy is of profound concern, as estimates of the total species are surprisingly poor and extinction rates continue to increase. Despite the uncertainty for estimates of how many species are on Earth and of extinction rates, observed extinction rates have outpaced description rates. Although suggestions have been made to decrease human impact on extinction rates, there is little reason to expect a complete stop or decline in current extinction events. Therefore, we must focus on continuing to increase taxonomic efforts to combat the increasing extinction rates. I endorse the suggestions and recommendations set forth by Sigwart *et al*. (2018) to address gaps in the taxonomic record and conservation efforts. Sigwart and coworkers posit that both discovery of new species, and analyses of the less well-studied species, are critical to determine adaptability and survivability of those species in our changing environment (Sigwart *et al*. 2018). This validates the importance of knowing not only how many species exist, but also what they are, as presented here: if we do not learn about species as they have survived in the past, present, and future, we will not understand how they have adapted to a changing world. This dissertation presents novel methods for analyzing patterns of species discovery to aid in both understanding gaps in our knowledge of described species as well as guide future efforts to discover new species. Species currently unknown to

science represent a key gap in our knowledge of the forces that will shape the trajectories of natural communities in response to anthropogenic disturbances such as climate change.

Estimates for the total number of species that remain unknown vary greatly depending on the methods and the focal species. This, as well as the coarseness of global estimates, has caused the numbers at such a large scale to become intractable for discussion of where to focus conservation and discovery efforts. As such, we turn to new methods for assessing the current and future states of species discovery (chapters 2, 3, and 4). Therefore, I suggest the separation of a global assessment into species groups, as most patterns differ within specific groups and scaling of assessments is necessary to provide accurate data and suggest future species discovery.

Not only do the number of species within clades differ, but so do the characteristics of those species. Therefore, the relationship between description date and biological/ecological traits is also specific to each clade. In terms of description date correlates, geographic range correlates negatively in most groups of species, whereas body mass only correlates negatively in some species groups. For this reason, I have chosen to assess species description both across all mammals and within mammalian groups as a test of methods to apply across other taxa in the future (chapters 3 and 4).

In mammals, more species are being described than are currently going extinct, suggesting that it is both necessary and worth-while to attempt to describe all currently extant species of mammals. At the same time, reassessment is also necessary to ensure that distinct new species are being found and not merely synonyms of previously described species. Moreover, with the possibility of increasing extinction rates, it is imperative that efforts focus on describing species completely new to science with a focus on continuing to increase these taxonomic efforts.

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CHAPTER 2

THE DESCRIPTION AND NUMBER OF UNDISCOVERED MAMMAL SPECIES[1]

[1] Fisher, M. A., J. E. Vinson, J. L. Gittleman, and J. M. Drake. 2018. Published in Ecology and Evolution, 8:3628-3635. Reprinted here with permission of publisher.

Abstract

Global species counts are a key measure of biodiversity and associated metrics of conservation. It is both scientifically and practically important to know how many species exist, how many undescribed species remain, and where they are found. We modify a model for the number of undescribed species using species description data and incorporating taxonomic information. We assume a Poisson distribution for the number of species described in an interval and use maximum likelihood to estimate parameter values of an unknown intensity function. To test the model's performance, we performed a simulation study comparing our method to a previous model under conditions qualitatively similar to those related to mammal species description over the last two centuries. Because our model more accurately estimates the total number of species, we predict that 5% of mammals remain undescribed. We applied our model to determine the biogeographic realms which hold these undescribed species.

Introduction

The routine description of biological species not previously known to science shows clearly that the project to catalog life on earth may be only two-thirds complete (Costello *et al*. 2012; Pimm *et al*. 2014). With species extinction rates similar to description rates, it is exceedingly important to know how many species remain to be described (Costello *et al*. 2013; Tedesco *et al*. 2014). Limited sampling of the world's biodiversity makes it impossible to directly count the total number of species that exist on Earth (Mora *et al*. 2011). Because many undescribed species may go extinct before they are known to science, ecological and conservation science must rely on statistical estimates of the total number of extant species (Costello *et al*. 2013; Tedesco *et al*. 2014). Experts disagree, however, about how to accurately determine the number of global species, with differing opinions on which analyses to run, the

spatial distributions to analyze, what data quality is necessary, and even how to define a species (Mora *et al*. 2011). These varied approaches lead to estimates ranging six-fold, from ~2 million to ~13 million for the total number of species (Costello *et al*. 2012; Scheffers *et al*. 2012).

Rather than modeling how many species remain to be described, some researchers have used species descriptions since the last checklist (Hoffmann *et al*. 1993; Wilson & Reeder 2005) to analyze the completeness of species lists and other patterns of discovery (Patterson 2000; Ceballos & Ehrlich 2009). Though these analyses do not provide estimates of how many species remain undescribed, these studies suggest that more species do remain, and probably more than had previously been expected (Patterson 2000; Ceballos & Ehrlich 2009). Others have tried to actually estimate the total number of species remaining to be described, both regionally and globally. Essl *et al*. (2013) predicted that 0.4-3% of existing wide-ranging European faunal species and 5-19% of European endemics remain undescribed. These numbers indicate that, even in a well-known region, there remain many undiscovered species (Essl *et al*. 2013). Tedesco *et al*. (2014) estimated that about 300 mammal species remain undescribed, along with about 3000 freshwater fish and 100 freshwater bivalves. These estimates were used to determine how many of those undescribed species are already extinct (Tedesco *et al*. 2014). But the common denominator for all of these studies are using species description data to analyze the completeness of species lists and determine just how much biodiversity remains unknown.

Mora *et al*. (2011) described three approaches to estimating the number of species: macroecological patterns, diversity ratios, and taxonomic patterns. Of these, taxonomic patterns appear to provide the most consistently reliable estimates of species richness (Mora *et al*. 2011), typically involving models of species accumulation curves with extrapolation. Assuming that the description rate of new species declines with time, species accumulation models estimate species

richness from description data (Wilson & Costello 2005; Mora *et al*. 2008; Costello & Wilson 2011). Species accumulation modeling approaches provide the most accurate estimates of the total number of species when accumulation curves approach asymptotic levels (Mora *et al*. 2011). This suggests that to estimate the total number of species when accumulation curves are not obviously asymptotic, models should include other contributions to species description events.

Joppa *et al*. (2011a) observed that the number of taxonomists publishing species descriptions correlated with the number of species described in every five-year period, and proposed a model incorporating taxonomic effort, defined as the number of taxonomists who published species descriptions in a time interval. The number of taxonomists working in each year increased over time, with a correlated increase in the number of new species described in each year, which led to the definition of a term for taxonomic efficiency, which is the number of species described per unit effort (Pimm *et al*. 2010; Joppa *et al*. 2011a, b). For Joppa *et al*. (2011a,b), including taxonomic effort and taxonomic efficiency increased the accuracy of estimates obtained using species accumulation models.

This model has been used to estimate the total number of plants, amphibians and mammals both globally and regionally with birds only estimated regionally (Pimm *et al*. 2010; Joppa *et al*. 2011a, b; Giam *et al*. 2012). However, in general, mammals have been mostly ignored when making global species diversity estimates. Mammals are relatively rare, charismatic, and endangered, causing them to be of high importance for both economic and conservation concerns. The available information on mammal geographic distributions allows for analyses at both global and regional spatial scales. As a greatly imperiled taxonomic group, mammals are an intrinsically interesting group which provide a unique opportunity to test

methods using a group that is almost complete and the least speciose, suggesting that any method that works with mammals is likely to work with other well-known taxa. A previous attempt to estimate the total number of mammal species underestimated global land mammal species using a previous iteration of the Joppa *et al*. (2011a) method (Giam *et al*. 2012). Additionally, when estimating regional species diversity, the previous method included species across multiple realms, resulting in inflated regional estimates (Giam *et al*. 2012). To address these inaccuracies, we modified a newer iteration of the Joppa *et al*. (2011b) model to better estimate the total number of mammal species, attempting to predict how many and where undescribed species are yet to be found.

Methods

Data

We constructed regional mammal description curves and global mammal description curves from Mammal Species of the World (Wilson & Reeder 2005) and the International Union for Conservation of Nature and Natural Resources (IUCN) mammal data (IUCN 2015). Because Wilson and Reeder (2005) stops with species described in 2003, the Wilson and Reeder (2005) designation for species binomial was used for those species. For species described after 2003, the IUCN designation was used (IUCN 2015). All newly added IUCN species were checked for possible synonyms to previously described species, with any species that had been previously described as a synonym removed from the dataset. See Table S1 for list of included species. For model fitting, the number of species and taxonomists were collated for each 5-year period from 1760 through 2010.

Previous attempts to estimate the total number of mammal species have used different methods of assigning a species description to a taxonomist (Joppa *et al*. 2011b; Giam *et al*.

2012). For instance, in Giam *et al* (2012) it was assumed that a maximum of two taxonomists were responsible for the description of a species in which these two taxonomists were the first two corresponding authors of the description monograph. But, this method causes double counting of taxonomists due to the fact that each taxonomist was credited for the description of the species separately, resulting in an inflated estimate for the number of taxonomists working in an interval. In Joppa *et al*. (2011a), the importance of taxonomist designation was investigated. Joppa *et al*. (2011a) used three measures of taxonomic effort to see if differing measures have any effect on the overall model. Their results suggest that the model's estimate is unaffected by the method of taxonomic assignment (Joppa *et al*. 2011b). We used the entire authorship of the citation for the description paper as the taxonomists for the description of the species. For example, if the authorship of two citations are "Mares & Braun" and "Mares, Braun, Barquez & Diaz" then these would be counted as distinct "taxonomists" for our purposes. Although our method of counting taxonomists could also be considered to be counting manuscripts rather than taxonomists, the count reflects an increased number of taxonomists working in more recent times as each published manuscript is more differentiated. This differentiation is a result of differing author orders in publications recently resulting in each order receiving a single count, whereas when there were only one or two authors, multiple manuscripts were counted as a single taxonomist working during that period.

To investigate geographic variation in undescribed species, we constructed region-specific description curves by binning species based upon geographic range (Figure 2.1). We created a model in ArcGIS 10.0 (ESRI 2011) to determine which region a species' geographic range fell within for the majority of the range (see Figure S1 in the Supporting Information) (IUCN 2015).

Model

To represent species removal from an unknown total species pool, we developed a model that represents species description as a relationship among total undescribed species, taxonomic efficiency (how effective taxonomists are at finding new species), and taxonomic effort (the number of taxonomists describing species) (Joppa *et al.* 2011a, b). Motivated by Joppa *et al*. (2011a), we assume that number of species described in a time interval (S_i) is proportional to the number of taxonomists working (T_i) in that interval and the unknown number of species remaining to be described (S_U), via a coefficient that represents the taxonomic efficiency (E_i):

1) $$S_i \propto T_i \times S_U \times E_i.$$

Denoting the unknown total number of species by S_T and the number described up to time i by D_i we have $S_U = S_T - D_i$, which may be substituted into equation (1) to give

2) $$S_i \propto T_i \times (S_T - D_i) \times E_i,$$

the number described in interval i in terms of the total species pool and unknown coefficients. (See Table 2.1 for a list of parameters.) Our model is made more realistic by allowing taxonomic efficiency to vary over time, but only such that it strictly increases or remains constant, as scientific technique improves and knowledge accumulates. That is, we assume taxonomists only ever become more effective at describing new species as time progresses. A flexible parametric expression for taxonomic efficiency is the exponential function ae^{bY_i}, where Y_i denotes the time interval bin (i.e., 0, 5, 10,... where 0 refers to the time bin from 1755-1760 and 5 refers to the bin from 1760-1765) and $a > 0$ and $b \geq 0$ are estimated coefficients. This contrasts with Joppa *et al*. (2011a,b), who used a linear model (i.e., $a + bY_i$) on the grounds that no more complicated model was warranted by the data. Our model is equally complex (two unknown parameters) and

has the added virtues of being everywhere non-negative and approximately linear over short time periods but allowing for more curvature over longer time periods. Substituting this expression into equation (2), substituting S_i with S_{iest}, the estimated number of species described in each five year interval, and replacing the proportionality with equality, our model becomes

3) $$S_{iest} = T_i \times (S_T - D_i) \times ae^{bY_i},$$

To investigate the fit of the taxonomic efficiency sub-model, it is useful to observe the fit of the parameterized function E_i to the *calculated efficiency*, $CE_i = \frac{S_i}{(S_T - D_i)T_i}$ (See Figure 2.2). By viewing the fit of the parameterized function to the calculated efficiency, we observe how well the parameterization fits. A high correlation between the predicted taxonomic efficiency and the calculated efficiency would suggest that our function is working properly.

Maximum Likelihood Estimation

Maximum likelihood was used to estimate all model parameters, including S_T, total number of species (Bolker 2008). From the Poisson assumption, the likelihood is given by,

$$L(a, b, S_T \mid S_i) = -\sum_{i=1}^{B} log\,(e^{-ae^{bY_i} \times T_i \times (S_T - D_i)} \frac{(ae^{bY_i} \times T_i \times (S_T - D_i))^{S_i}}{S_i!}),$$

where B refers to the number of time interval bins.

Maximum likelihood estimates for a, b and S_T, were obtained using the $optim$ function in R v 3.01, utilizing the Nelder-Mead method for its robustness (Peressini *et al.* 1988; R Core Team 2015). To constrain a and b to be positive, we fitted the model in log coordinates for these variables. Optimization was repeated until the changes in estimates were reduced to less than 9×10^{-6}. Parameter uncertainty was quantified using Wald's confidence intervals (Wald 1940).

Simulation Study

To investigate the robustness of our model, differing from Joppa *et al*. (2011b) both in the assumption of a Poisson data distribution and the exponential model of taxonomic efficiency, we performed a simulation study to compare the estimation from our model to the estimation of Joppa *et al*. (2011b). The historical process of species description resembles the likelihood that molecules in a vessel will collide and react with each other. To simulate the Markov Chain Monte Carlo process of species description, data were simulated using Gillespie's Direct Method (Gillespie 1976) where each event was the description of a new species. Time between each event, a value determined by Gillespie's Direct Method, is drawn from an exponential distribution determined by the mammal species description curve.

To assess the models in varying situations, four scenarios were explored. The first scenario is the simplest, and each scenario after either adds a parameter or noise to the simulation to increase complexity and more closely resemble actual species description. In scenarios 1 and 2, true taxonomic efficiency was given by the model-assumed exponential function $E = ae^{bY_i}$. Scenario 1 was the simplest scenario where taxonomic efficiency was constant without noise ($a \approx 0.001$, $b = 0$). Set 2 allowed for the taxonomic efficiency to increase exponentially without noise ($a = 0.001$, $b = 0.005$). Scenarios 3 and 4 introduced noise in taxonomic efficiency with $E \sim \Gamma(ae^{bY_i}, 1)$, where Γ denotes the gamma distribution. Simulation set 3 held the shape parameter constant ($a \approx 0.001$, $b = 0$) and simulation set 4 allowed for an exponential increase in taxonomic efficiency ($a \approx 0.001$, $b = 0.005$). For each simulation set, the total number of mammal species (S_T) was held constant at 5860 species and the number of taxonomists describing species in each 5 year interval was taken from the observed data.

To analyze the performance of each method, we calculated the average total number of species and coverage, the proportion of the simulations for which the confidence interval of the resulting estimation of S_T included the actual value of S_T, for each method in each experiment.

Geographic realm identification

To assign each described species to a biogeographic realm (The Nature Conservancy 2002), the geographic range of each mammal species, as published by the IUCN (IUCN 2015), was analyzed in ArcGIS v 10.1 (ESRI 2011). An ArcGIS tool was created which iterated through each species, calculating how much of each species' geographic range occupied each biogeographic realm (Figure 2.1) (ESRI 2011). The realm that contained the greatest portion of a species' range was assigned as the realm for that species (Table S2). Only one species had a geographic range with less than 50% of its range within a single realm and only 4.29% of species have between 50% and 75% in a single realm, leaving 95.69% of species with more than 75% of species ranges found in a single biogeographic realm. The final assignments of species to biogeographic realms resulted in each species being assigned to a single realm, therefore preventing double counting of species across realms. If a species were counted in each biogeographic realm in which it appears, there would be an artificial inflation in the total number of species. Once each species was assigned to a biogeographic realm, we then applied our model to each realm separately (See Table 2.2).

Results

Simulation Study

Figures 3 and 4 summarize the results of our simulation study. In simulations, our method provided estimates closer to the actual number of species than the Joppa *et al*. method (Figures

2.3 and 2.4A). For scenarios 1 and 2, the estimates show low variance and low bias, resulting in estimates that are close to the true value for the total number of species on average and with a very small confidence interval (Figure 2.3A and 2.3B). For experiments 3 and 4, the estimates show higher variance and bias, resulting in estimates that are farther from the true value for the total number of species and with a larger confidence interval (Figure 2.3C and 2.3D). Coverage was larger for our method than for the Joppa *et al*. method (Figure 2.4B), although still very low. Because the confidence intervals were small and rarely included the actual value, the coverage was small for all simulations.

Estimated Global Number of Mammal Species

Our model predicts the total number of species that currently exist. The plot of time against number of species shows that our model fits the actual number of species described per five year period, with the Pearson's correlation coefficient of 0.72 (Figure 2.5). We predicted 5860 (95% prediction interval: ± 68) mammal species exist, suggesting that 303 (95% prediction interval: ± 68) species remain to be described (Table 2.1), which is larger than the estimate using the Joppa *et al*. (2011b) method by 5.16% or 302 species (Table 2.1).

Where to find the New Species

Applied to description curves by biogeographic realm, our model suggests that the afrotropics and neotropics contain both the greatest number of mammal species and the most undescribed species (Table 2.2, Figure S2). All other realms are estimated to contain less than 100 unknown species (Table 2.2). In contrast, the Palearctic contains the greatest percent of unknown species (9.7%) (Table 2.2).

Discussion

To estimate the total number of mammal species that exist, we modified a species accumulation model that incorporates both taxonomic effort and taxonomic efficiency. We performed a simulation study to test the performance of our model, which we then applied to data on the global sequence of mammal descriptions. Finally, we applied our model to regional mammal description data to determine where we will find undescribed mammal species.

Our model builds on a number of previously published methods. We proposed a more realistic method of maximum likelihood estimation: using the Poisson distribution, rather than estimating a Poisson distribution through a Gaussian approximation. Of the species accumulation models, those that use a Poisson distribution for the distribution of species descriptions are the most consistent for data acquired from a sampling process with continuous intensity (Wilson & Costello 2005). In contrast to the Gaussian assumption of Joppa *et al*. (2011a), a Poisson reporting process allows for the variance to differ according to the mean rate of species description. Additionally, we used a more elegant model to approximate the taxonomic efficiency which uses an exponential function because it never goes negative, rather than forcing unrealistic conditions on a linear function. We then tested our model by performing a simulation study, which compares our model to the Joppa *et al*. model. Our simulations were studied under four scenarios, each one more complex and realistic. The differences between the results from each method in the first two scenarios (see Figure 2.4) are not nominally large, whereas in the last two scenarios, the estimates are more different from each other. The first two scenarios do not incorporate process error when simulating the data, allowing smoother simulated accumulation curves to be generated. Scenarios 3 and 4 assume a baseline gamma-distributed process error, providing complex accumulation curves. The results of our simulation study

suggest that our method is better able to handle more complex collection data. Although our model performs best, it suffers from low coverage and is biased towards low estimates. Though all estimates are different from the actual total, across all scenarios, our method consistently provides estimates closer to the total (Figure 2.4), and more often includes the actual value in its confidence intervals (Figure 2.5).

The simulation study justifies the application of this model on the more complex, real-world mammal data. Our results suggest that there are a total of 5860 mammal species, meaning that we have about 300 mammal species, or 5% of species left to be described. One interesting phenomenon that our data brings to light is an effect caused by world wars. The number of species described, the number of taxonomists working, and our measure of taxonomic efficiency show a decline in response to both World War I (1914-1918) and World War II (1939-1945). This decline appears in the real data and is matched by the estimates of our model. As the ability for taxonomists to travel the world is often impaired by the social and political conflicts occurring, our model is able to make predictions despite irregular, nonlinear description and efficiency curves. This phenomenon also suggests that future global conflicts may have a significant impact on our speed and efficiency at finding new species.

The regional and global mammal species estimates are useful for conservationists to know how much effort and where to concentrate such efforts before the species disappear (Dobson *et al*. 2008). To determine the number of mammal species currently found in each geographic realm, we assigned each mammal species to a biogeographic realm and then ran our model for each regional grouping of mammals. The realm we predict to have the greatest number of undescribed species is the Afrotropics (Table 2.2). These results underscore the important relationship between range distribution and taxonomic effort by demonstrating that the places

where the most effort has been expended are places that have the fewest remaining species (Pimm *et al*. 2014). Most species remaining undescribed are found in tropical regions (Neotropic and Afrotropic realms), which is also home to the greatest concentration of biodiversity (Patterson 2000; Joppa *et al*. 2011b). To the contrary, the highest percent of unknown species is predicted in the Palearctic (Table 2.2). Although this region is fairly well known and investigated, there are some places, like Siberia, which may yet hide mammalian biodiversity.

To test the robustness of our model, we can compare the global estimate of total mammal species with the sum of the S_T estimates for each region. When comparing our method to Giam *et al*. (2012), our summed regional S_T estimates were within 100-200 species of the estimate based on the complete mammal data set, whereas theirs was not. Our estimates are based on larger geographic areas than investigated in most previous studies to ensure a large enough data set to get accurate results. However, Tedesco *et al*. (2014) estimated a similar number of undescribed mammal species remaining as we do, both overall and within Australasia. Even so, the limited number of mammal species found in some realms (Oceania and Marine realms) do not allow accurate estimates for the total number of species regionally, without compromising global estimates. Our results are much less biased as species were only designated to a single realm, eliminating the possibility of double counting. While keeping the estimates as unbiased as possible, we were able to predict where most undescribed mammal species will be found: tropical regions.

Our model predicts the total number of species that exist, based on taxonomic effort, taxonomic efficiency, and how many species have been described over time. Here we applied our model to mammal species description curves, but the next step is to apply this model to other taxonomic groups. The original Joppa *et al*. method has been applied to multiple taxonomic

groups, such as plants and the biota of Brazil (Pimm *et al*. 2010; Pimm & Joppa 2015), suggesting that our model might perform similarly across taxonomic groups. It would also be interesting to investigate the description curves of mammalian orders, to determine how many of each order remain to be described. The biggest worry with disaggregating mammals into smaller taxonomic groups is that the quantity of data for each curve significantly decreases with each grouping. While our model predicts the number of species remaining to be described, it does not predict anything about those species such as their biology, evolution, extinction risk or rarity. We have applied our model to geographic regions to help predict where these species will be found, but even those results are not specific. Further breakdown of regions, without double counting, is nearly impossible with our model due to minimum data requirements as well as the difficulty to place species into much smaller regions without requiring the method of species counting to be changed. Although our model was created to be applicable to more taxonomic groups based on the modified taxonomic efficiency function, a future study might look at a non-parametric approach.

Table 2.1: Results of applying models to full mammal data set, S_T is the total number of species, a is the intercept of the taxonomic efficiency function, b is the slope of the taxonomic efficiency function, and z is the scaling coefficient in the Gaussian maximizing function.

	Starting Gaussian Linear	Gaussian Lower confidence interval	Estimated Gaussian Linear	Gaussian Upper confidence interval	Starting Poisson Exponential	Poisson Lower confidence interval	Estimated Poisson Exponential	Poisson Upper confidence interval
S_T	5970	5556	5558	5560	5970	5792	5860	5928
a	8e-04	0.0056	0.0322	0.1837	8e-04	0.0007	0.0007	0.0008
b	2e-03	5e-06	1.7e-05	5.7e-05	0.002	0.0048	0.0054	0.0061
z	5	24.54	61.19	152.59	--	--	--	--

Table 2.2: Total number of mammal species by biogeographic realm

	Known	S_T Lower Bound	S_T Upper Bound	S_T	Unknown	Percent Unknown
Afrotropics	1195	1252	1383	1317	122	9.3
Australasia	678	699	778	739	61	8.3
Indo-Malay	822	834	865	849	27	3.2
Nearctic	391	390	402	396	5	1.3
Neotropics	1455	1510	1583	1546	91	5.9
Palearctic	720	725	869	797	77	9.7

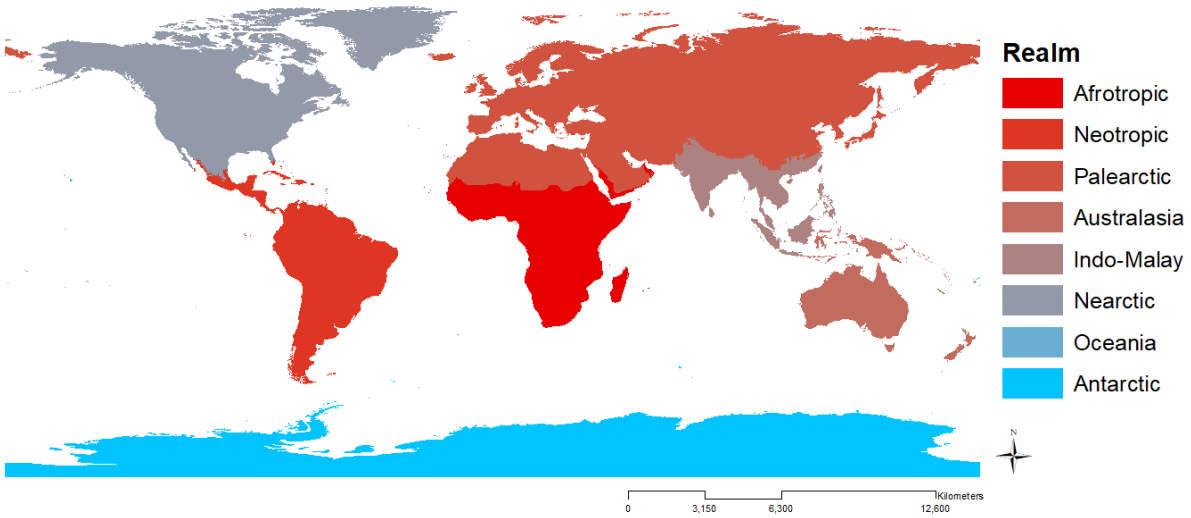


Figure 2.1: Map of Biogeographic Realms. Cooler (blue) colors represent regions with fewer undiscovered species and warmer (red) colors represent regions with more undiscovered species.

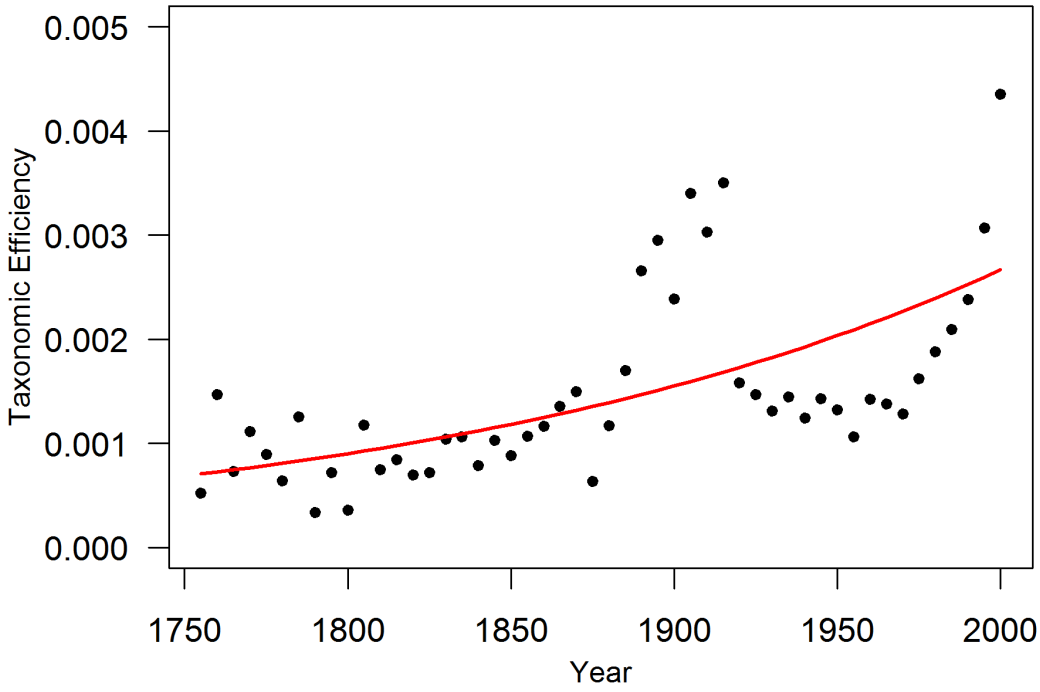


Figure 2.2: Taxonomic efficiency. Investigating the fit of the modeled efficiency function (red line) to the calculated efficiency for mammals (black dots). The points which do not follow the modeled efficiency function from 1890-1915 result from the ratio of species to taxonomists in those years. As seen in Figure 4, the number of species exceeds the number of taxonomists in a different pattern than expected.

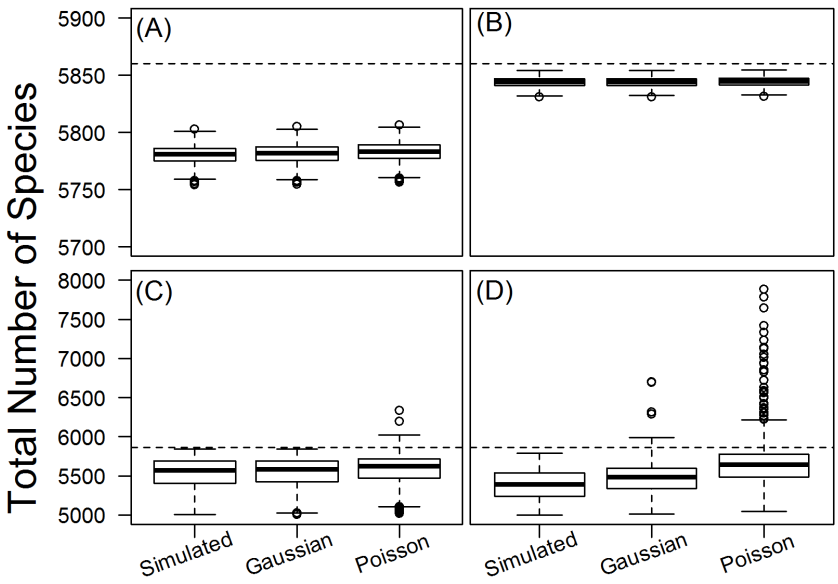


Figure 2.3: Boxplots of simulation results, with the middle line showing the median. Simulated boxes are the number of species simulated to have been described. Gaussian boxes refer to the estimated total number of species using the Joppa *et al*. method. Poisson boxes refer to the estimated total number of species using our method. A-D refer to scenarios 1-4, respectively. Dashed lines refer to the actual total number of species.

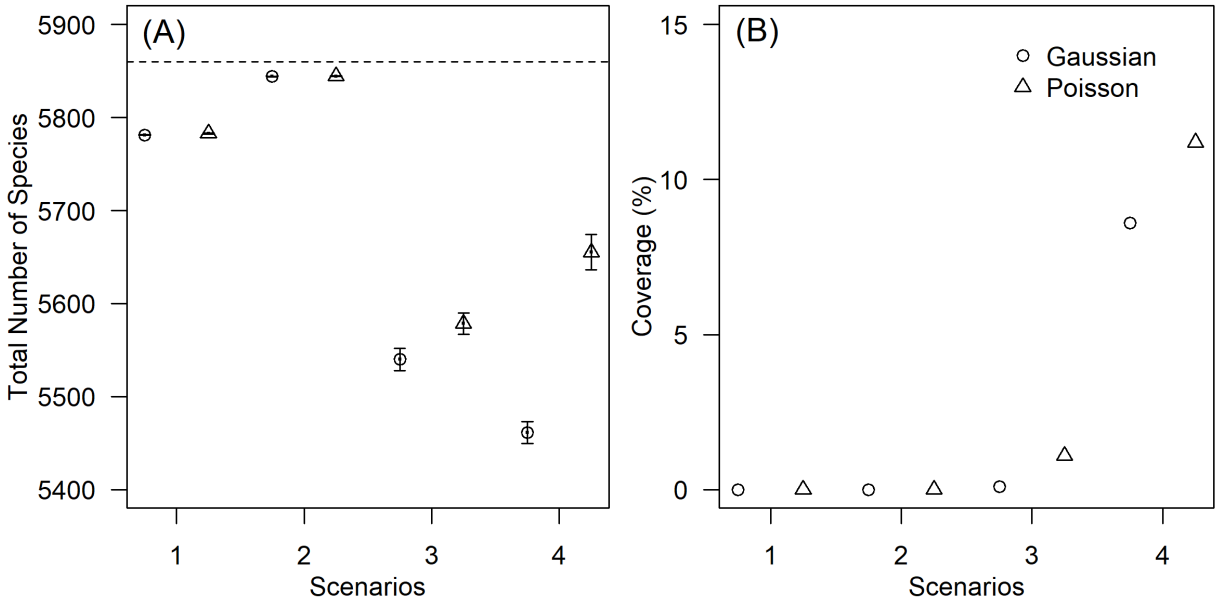


Figure 2.4: Simulation study results. Panel (A) shows the model bias and total number of species averages from simulated data. Dashed line shows true value. Error bars show 95% confidence interval of the average distance from the true number of species. Panel (B) shows statistical coverages (percent of estimates including the true value) from simulated data.

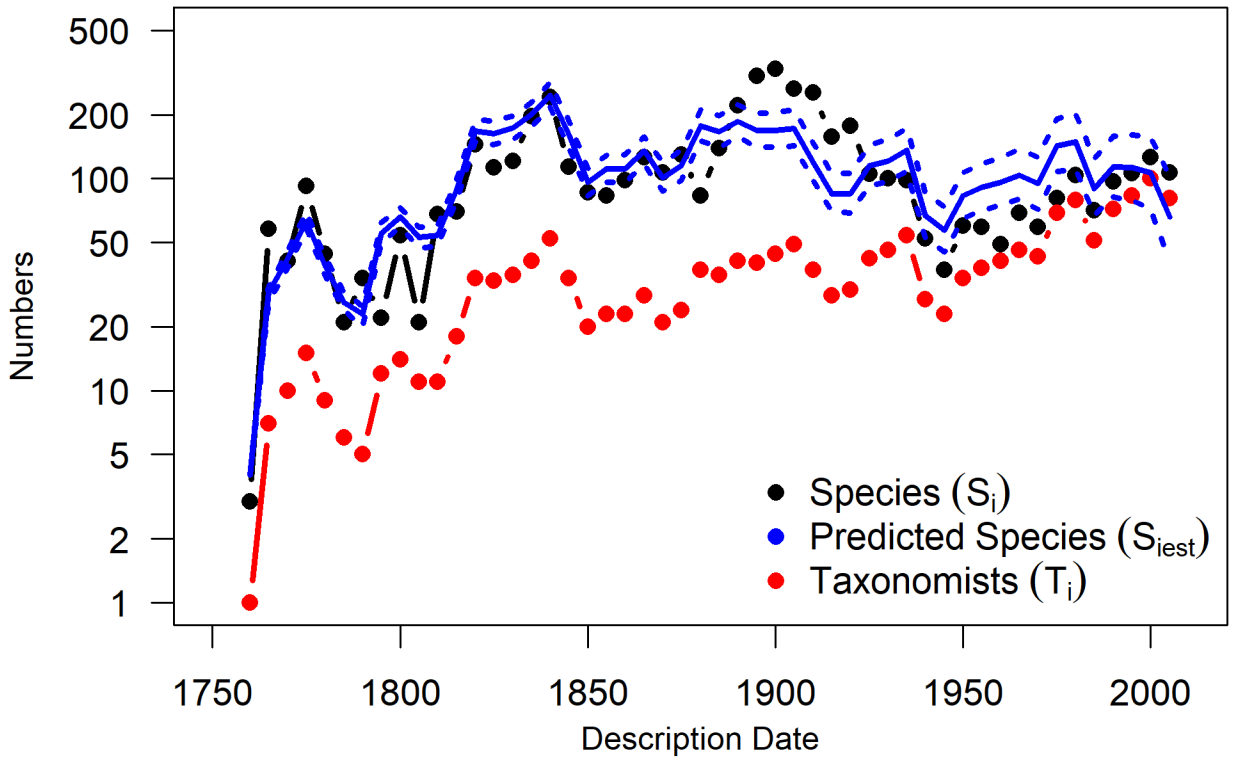


Figure 2.5: Mammal species discovered per 5 year intervals on a log scale. The dashed blue lines represent the confidence interval around the estimated number of species in each five-year interval (S_{iest}).

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CHAPTER 3

BIOCORRELATES OF DISCOVERY DATE IN MAMMALS[2]

[2] Fisher, M. A., P. R. Stephens and J. L. Gittleman. To be submitted to American Naturalist.

Abstract

With rising extinction rates, it is essential to find remaining undiscovered species before they are lost to science. Locating undiscovered species is difficult and requires multiple, often indirect, methods. Our study of correlates of discovery date and biological traits in mammals indicates traits that are typical of species yet to be discovered. Body size and geographic range size are the main predictors of discovery date across all mammals, whereas human population density is also an important predictor in specific orders such as Chiroptera and Diprotodontia. Correlates of species discovery also vary through time: taxonomic order and biogeographic realm are the most important correlates of discovery date in early time periods and geographic range size is more important in later time spans. Overall, we characterize undiscovered species as small, with small ranges, found in the tropics far from human populations, and that have small litter sizes.

Introduction

It is estimated that more than 7 million species remain unknown to science (Mora *et al.* 2011; Pimm *et al.* 2014; Fisher *et al.* 2018). With rising extinction rates, it is becoming increasingly likely that large numbers of species will go extinct before they are discovered, leading to permanent gaps in our knowledge of the Earth's biodiversity, ecosystems, and evolutionary history. Extinction of undiscovered species causes the scientific community to lose the opportunity for understanding the role of species in ecosystems as well as many other qualities ranging from medical solutions to aesthetics. To guide efforts to locate these unknown species, we propose to understand which biological and ecological traits may increase the likelihood of discovery, and, conversely, which traits enhance crypticity.

Biological correlates of description date are known for select taxa (Reed & Boback 2002; Cabrero-Sañudo & Lobo 2003; Collen *et al.* 2004; Diniz-Filho *et al.* 2005; Stork *et al.* 2008). In general, larger geographic range size and body mass increase the likelihood of discovery, though to differing degrees for each taxon, as a result of both the biology of the taxa and the taxonomists responsible for describing them. For example, in Australian tropical insects, Brazilian anurans, and Western Palearctic dung beetles, body size is negatively correlated with date of description (Cabrero-Sañudo & Lobo 2003; Diniz-Filho *et al.* 2005; Stork *et al.* 2008). In contrast, the correlation of body size and description date in North American and Australian reptiles and amphibians was found to be negligible (Reed & Boback 2002). Geographical range size was also negatively correlated with discovery date in Brazilian anurans and Western Palearctic dung beetles (Cabrero-Sañudo & Lobo 2003; Diniz-Filho *et al.* 2005). In addition, Diniz-Filho *et al.* (2005) found a positive relationship between human population size and date of description in Brazilian anurans, demonstrating that species in areas with high human population density have been the first ones discovered. Overall, trends correlate geographic range size, adult body size, and human population density with discovery date.

Other traits that may also influence species discoverability have so far been little investigated. Litter size, for example, is related to reproductive rate, level of reproductive output and in turn species numbers, all of which may increase the chances of finding a given species (Stearns 1977; Cardillo *et al.* 2008; Hutchings *et al.* 2012). Biogeographic realms reflect the level of openness such that it is easier to locate species in grasslands, open woodlands or deserts than closed canopy environments (Cardillo *et al.* 2006, 2008; Davidson *et al.* 2017). Here, we assess correlations of such traits with discovery date across all mammal species. Mammals are an ideal group to assess because they are very well-known biologically, yet patterns and processes

of species discovery have not been examined in most taxa. Previous analysis of correlates with discovery in mammals have been limited to carnivores and primates (Collen *et al.* 2004). Collen *et al.* (2004) found that geographic range negatively correlated with discovery date in carnivores and primates. In carnivores, body mass was also found to be negatively correlated with date of description, although with less statistical significance than that of geographic range (Collen *et al.* 2004). As in other groups, studies in mammals suggest a character profile of discovery whereby a taxonomist is more likely to locate large wide-ranging species than those that are small and rare (Cabrero-Sañudo & Lobo 2003; Collen *et al.* 2004; Diniz-Filho *et al.* 2005; Stork *et al.* 2008).

Here, we extend the work of Collen *et al.* (2004) by examining four biological and two geographic correlates of discovery date across all mammal species. Importantly, we assess larger ranges in variability in traits, such as adult body mass. In carnivores and primates, body mass ranges are from 78.45 g to 1600 kg and from 31.03 g to 149.33 kg, respectively. In bats, body mass ranges from 1.96 to 1087.04 g and from 4.99 g to 48.14 kg in rodents. Presumably, because of reduced variation in mass and other traits, the strength of the correlation between traits and description date will also vary among taxonomic orders. Although the most well-studied mammalian clades (i.e., carnivores and primates) have been investigated, the most populous clades (i.e., rodents and bats) likely include the majority of species unknown to science and are therefore also important to investigate. Due to technological advances and changing systematics, the relative importance of each trait has also likely changed over time. Therefore, we also assess whether particular traits may have changed in their predictive power through the past 250 years of taxonomy.

Methods

Data

We used data on 5,562 mammal species (Table S1). Lists of species and discovery dates of species described before 2003 were obtained primarily from *Mammal Species of the World* (Wilson & Reeder 2005). Names and discovery dates of species described after 2003 were obtained from the International Union for Conservation of Nature and Natural Resources (IUCN) (IUCN 2015). Species trait data were obtained from panTHERIA (Jones *et al.* 2009). Traits included in the analyses are adult body mass, current geographical range size, mean human population density within each species range, litter size, biogeographic realm, and taxonomic order. Continuous traits were logarithmically transformed to equalize variances. Sample sizes varied among traits (see Table S2 for summary).

Analysis

To investigate the relationship between discovery date and species traits, we performed a generalized boosted regression using the gbm package in R v. 3.4.0 (R Core Team 2015; Ridgeway 2015). We selected the generalized boosted regression model (GBM) because of its ability to incorporate predictor variables with missing data as well as utilize survival analysis methods. Survival analysis uses the time until an event occurs as a response variable for analyzing a dataset of predictor variables (Cox 2018). In our model, survival indicates that a species has remained hidden. Our model was created using a Cox proportional hazards distribution (Cox 2018) and up to 100,000 trees. We determined the best iteration of the model by ten-fold cross-validation via the $gbm.perf$ function and calulated pseudo-R^2 values for each

model by comparing the actual discovery dates to those predicted by the model (Ridgeway 2015).

We also investigated the influence of incomplete data on our results (Table S4). We calculated the pseudo-R^2 value for the analyses using a dataset of only species with complete information (i.e. complete case analysis), as well as the pseudo-R^2 value for the analyses which include missing data. Because the pseudo-R^2 value was similar between analyses (differing only by 0.03), we determined that the missing data does not have a large influence on the results of the analyses (Table S4). All other analyses were performed including missing data.

Phylogeny is important to consider in comparative analyses (Felsenstein 1985; Diniz-Filho & Tôrres 2002). There are two common ways to incorporate phylogenetic information into a boosted regression tree analysis: (1) directly, using phylogenetic eigenvectors (Diniz-Filho *et al.* 1998, 2012) as additional predictor variables, or (2) indirectly, using taxonomy as a proxy for phylogenetic relationships (Ricotta *et al.* 2012). To test which form of phylogenetic information produced the best fit, we compared the pseudo-R^2 values of models using taxonomy and eigenvectors as predictors. To create phylogenetic eigenvectors, the pairwise distances between pairs of tips from the mammal supertree (Bininda-Emonds *et al.* 2007) were extracted using the *ape* package (Paradis *et al.* 2004) and then converted into eigenvectors using standard phylogenetic eigenvector regression. To test whether taxonomic categorization is statistically robust for incorporating phylogeny into our comparative tests, we compared three different models using species traits and taxonomic order, phylogenetic eigenvectors (Appendix A), and combined eigenvectors plus taxonomic order as predictors. Because the phylogenetic eigenvectors were very poor predictors of discovery date we only present results using taxonomy. The models which included phylogenetic eigenvectors can be found in Appendix A.

Once we determined the traits which most strongly correlated with discovery date, we analyzed models for each of the seven most populous mammalian orders: Primates, Carnivora, Rodentia, Chiroptera, Artiodactyla, Diprotodontia, and Afrosoricida, were chosen because they include at least 50 species, allowing for less biased results, from small sample sizes.

We also investigated the degree to which the relative importance of traits have changed over the last 250 years by creating a series of models which analyzed the correlation of traits with date of description over 50 year time intervals.

Results

Biocorrelates Analysis

Table 1 shows the relative influence of each predictor variable on discovery date for all species ($R^2 = 0.56$; for comparison, a simple linear model of the same covariates provides $R^2 = 0.41$) as well as each of the mammalian orders (Primates $R^2 = 0.63$, Carnivora $R^2 = 0.54$, Artiodactyla $R^2 = 0.59$, Chiroptera $R^2 = 0.57$, Rodentia $R^2 = 0.63$, Diprotodontia $R^2 = 0.68$, Afrosoricida $R^2 = 0.72$). Across all mammals, the most important correlate with discovery date is adult body mass (ABM), explaining 31% of the variance in reducing the loss function. Across orders, the relative influence of each variable changes with respect to the correlation with discovery date, such as ABM explaining 35% in Artiodactyla, but only 14% in Carnivores. In general, each order demonstrates a different sequence of traits associated with discovery date. For example, while the two most important traits for most orders are adult body mass or geographic range size, in Afrosoricida the second most important variable is litter size. And although across all mammals and most orders, human population density is the least influential of the examined traits, it is ranked second in importance in Diprotodontia and Chiroptera.

Correlates through Time

We determined differential correlates of discovery date through time. The most important predictor variable was taxonomic order for the time period of 1755 - 1855, whereas during 1860 - 2010, it is geographic range size. Although the ordinal pattern does not change through most time intervals, the second most influential trait changes in each fifty year time period. For example, for 1915 - 1960, the second most important predictor variable was human population density (Table 3.2 and Figure 3.1).

We also determined that there were significant shifts in the size and geographic range of species discovered at about 1850 and 1900, as the majority of species found after those dates were smaller and had smaller ranges than those discovered before (Figures 3.2 and 3.3).

Discussion

We examine biological and ecological traits that correlate with date of discovery across all mammals. Traits that enhance likelihood of discovery are, in order of importance, adult body mass, geographic range size, litter size, taxonomic order, biogeographic realm, and mean human population density. Significant correlations of body mass and range size are consistent with findings from previous studies (Cabrero-Sañudo & Lobo 2003; Collen *et al.* 2004; Diniz-Filho *et al.* 2005; Stork *et al.* 2008). In carnivores and primates, additional traits were found to be significant for each group: number of congenerics and day range correlated in primates, whereas home range correlated in carnivores (Collen *et al.* 2004). Rather than investigating different traits for each group, we analyzed the same traits within orders and across all mammals in order to find stable, consistent relationships across Mammalia. Although the relative importance varies, our chosen traits remain the most influential in determining date of description regardless of other traits included in the model (Table S4).

Across all mammals, the two most important traits were geographic range size and adult body mass. This is consistent with large bodied organisms that live in large ranges being more easily found than small bodied organisms with restricted ranges (Figure 3.2, 3.3). More specifically, most species above a specific geographic range and body size (see rightmost vertical line in Figures 3.3A and 3.3B) have already been found, whereas any mammal species that are smaller and have smaller ranges may not yet have been found (Figure 3.2, 3.3). Our analyses of clades not previously considered (i.e. Artiodactyla, Chiroptera, Rodentia, Diprotodontia, and Afrosoricida) confirm that geographic range size and body size are overall the best predictors of discovery date.

The rank predictive order of additional traits differs for each clade. Interestingly, the traits that allowed taxonomists to find and describe species were generally similar but still differed, suggesting that species discovery in each clade is driven by varying combinations of traits relating to their biology. For example, bats and rodents exhibit a relatively narrow range of body mass values and were more recently discovered (mostly after 1850); a likely reason that the relative influence of this variable is lower in these groups than in other clades (Table 3.1). Diprotodontians and afrosoricidians only occur on a single continent, which likely explains why biogeographic realm did not influence discovery date in these taxa (Table 3.1). Proximity to human populations indicates that a species was discovered earlier. In bats and diprotodontians, this effect is even more important. Diprotodontians are found only in Australia, an island continent that was first inhabited by western society as a penal colony during the late 18^{th} and early 19^{th} centuries. As a result of this and technological advances, it is only in the last hundred years that many scientists have explored the less hospitable areas. The similar pattern in bats

likely results from man-made homes providing roosts and food for flying mammals (Lesinski *et al.* 2000).

Models that incorporate multiple phylogenetic eigenvectors had a lower pseudo-R^2 value than models using taxonomy alone (Table S1). With phylogenetic information distributed across 15 variables, each eigenvector itself has little importance and the results are more likely to be inaccurate due to the inexactness of phylogeny (Myers 1960), a reflection of the mammalian supertree. This is compared to taxonomic categorization, which consolidates the phylogenetic information into a single variable that highly correlates with date of description. Our results suggest that for these analyses, a single value which represents phylogenetic distance is more informative than many values which together represent the same information.

We also investigated whether a given trait changes in importance with discovery era to gain an understanding of potential differential processes involved in species discovery. The first mammal species known to science, described in groups of related species in publications before 1800, were found in Europe, Asia, and Africa. This agrees with our results that taxonomy and realm were the important traits for the first 50 years of species description. Over the next 200 years, geographic range size increased in importance until it became the most influential trait. This shift in trait importance reflects the accumulation of species and the accompanying shift in species discovery methods, such as the introduction of genetic differentiation in the 1960s and 70s and the beginning of efforts to discover the species hidden in tropical regions (Lewontin 1974).

Although few studies have considered the relationship between biological traits and discovery date, the correlation between species traits and extinction risk is well-known (Jones *et al.* 2003; Cardillo *et al.* 2005, 2006, 2008; Davidson *et al.* 2017; Ripple *et al.* 2017). As

taxonomists work to discover species before extinction, discovery correlates can indicate which traits linked to extinction risk are aiding species in remaining hidden. For mammals, small geographic range and large body size increase extinction risk (Cardillo *et al.* 2006, 2008; Davidson *et al.* 2017; Ripple *et al.* 2017). Strongly correlated with slow life history, large body mass results in increased extinction risk due to both environmental and human threats for the same reasons that those species were the first discovered (Cardillo *et al.* 2008). Increased probability of being seen by humans due to body size heightens the likelihood that a species has both been discovered and hunted. There may not be many large bodied mammals left to discover, but those that remain unknown likely have small geographic ranges. Small range size, which increases the risk of extinction as a result of limited habitat, is also aiding species in remaining unknown because species may be limited to small areas which have not yet been searched by scientists. This suggests that the species which we have not yet found may have high risk of extinction before discovery.

Our analyses provide insights into the general patterns of mammal species discovery as well as expectations as to which character traits may best enhance the process of finding new species. Future work should look at additional traits such as coloration or movement patterns as these have yet to be comparatively studied in a discovery context. In addition, as there are similarities in factors related to both extinction risk and discovery dates, an approach that focuses on identifying both new species and immediate steps toward their conservation will be useful.

Table 3.1: Generalized boosted regression models for all species and specific mammalian orders. The value for each trait indicates the relative importance in determining discovery date. R^2 denotes the pseudo-R^2 value used to assess fit of the model. A dash (-) indicates that the trait was not included in the model.

	All species	Primates	Carnivora	Artiodactyla	Chiroptera	Rodentia	Diprotodontia	Afrosoricida
Order	14.25	-	-	-	-	-	-	-
Realm	8.18	12.94	9.11	10.78	11.68	10.87	0	0
log(Adult Body Mass (kg))	30.96	20.64	13.61	34.55	15.37	17.84	18.44	19.87
Litter Size	14.7	15.29	14.81	8.81	10.98	11.76	8.86	29.44
log(Geographic Range Area (km^2))	29.31	40.54	54.43	28.44	45.3	51.47	40.7	40.73
log(Mean Human Population Density (n/km^2))	2.6	10.6	8.04	17.41	16.67	8.06	31.99	9.96
R^2	0.56	0.63	0.54	0.59	0.57	0.63	0.68	0.72

Table 3.2: Generalized boosted regression model over time series of species description. The value for each trait indicates the importance in determining discovery date. R^2 denotes the pseudo-R^2 value used to assess fit of the model.

	All species	1755 - 1810	1815 - 1860	1865 - 1910	1915 - 1960	1965 - 2010
Order	14.25	28.02	29.18	23.26	14.11	16.91
Realm	8.18	26.08	14.05	12.20	17.52	11.92
log(Adult Body Mass (kg))	30.96	17.64	11.88	13.51	9.94	7.60
Litter Size	14.70	6.71	5.02	8.82	2.57	3.00
log(Geographic Range Area (km^2))	29.31	15.01	24.27	25.68	35.41	53.47
log(Mean Human Population Density (n/km^2))	2.60	6.54	15.60	16.53	20.45	7.09
R^2	0.56	0.22	0.20	0.27	0.13	0.67

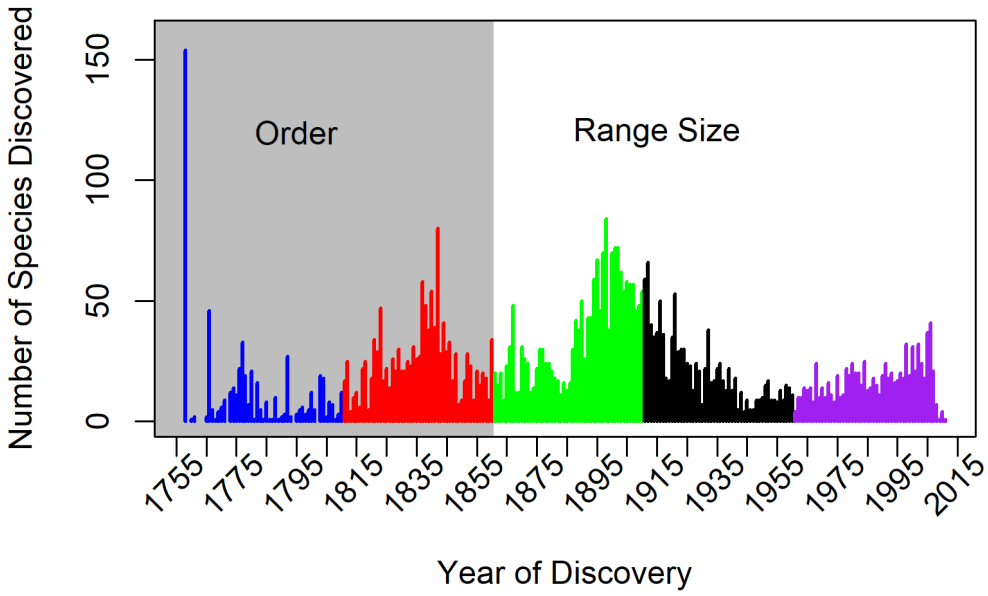


Figure 3.1: Number of species described per year colored by the character traits that correlate with discovery date. The background color indicates the most important variables: Grey indicates Order and White indicates Geographic Range Size. For each color the following will tell the top three important variables. Blue - Order, Realm, Adult Body Mass; Red - Order, Geographic range size, Human Population Density; Green - Geographic Range Size, Order, Mean Human Population Density; Black - Geographic range size, Human Population Density, Realm; Purple - Geographic Range Size, Order, Realm.

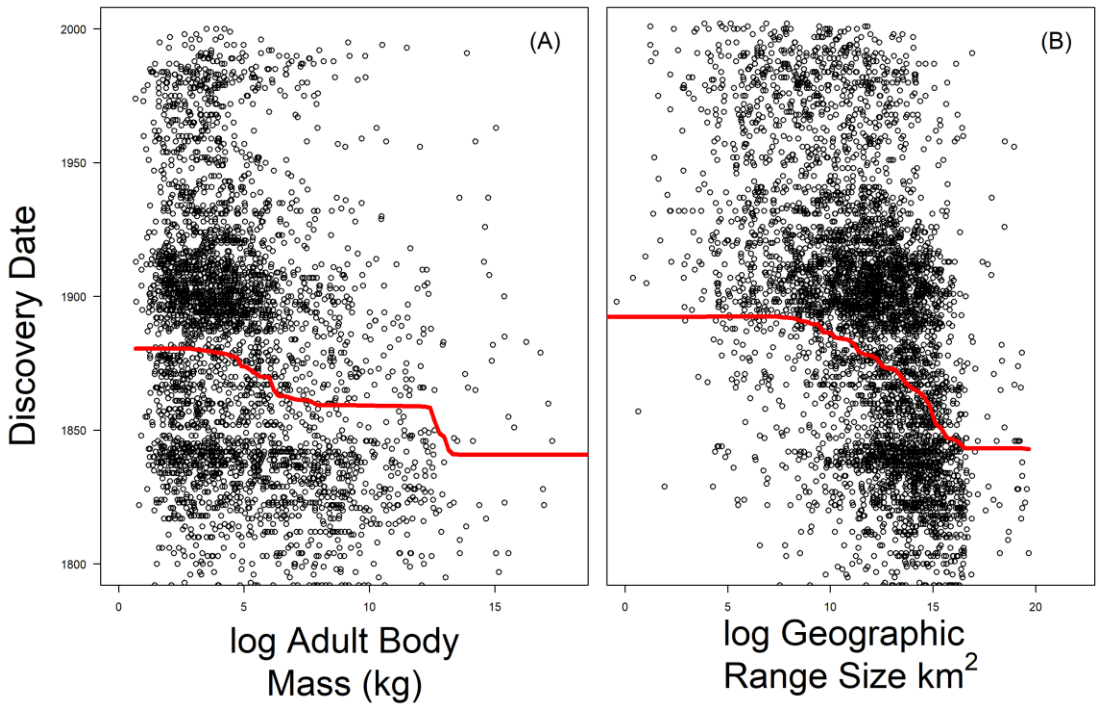


Figure 3.2: Partial dependence plots of most important traits vs. discovery date for (A) adult body mass and (B) geographic range size.

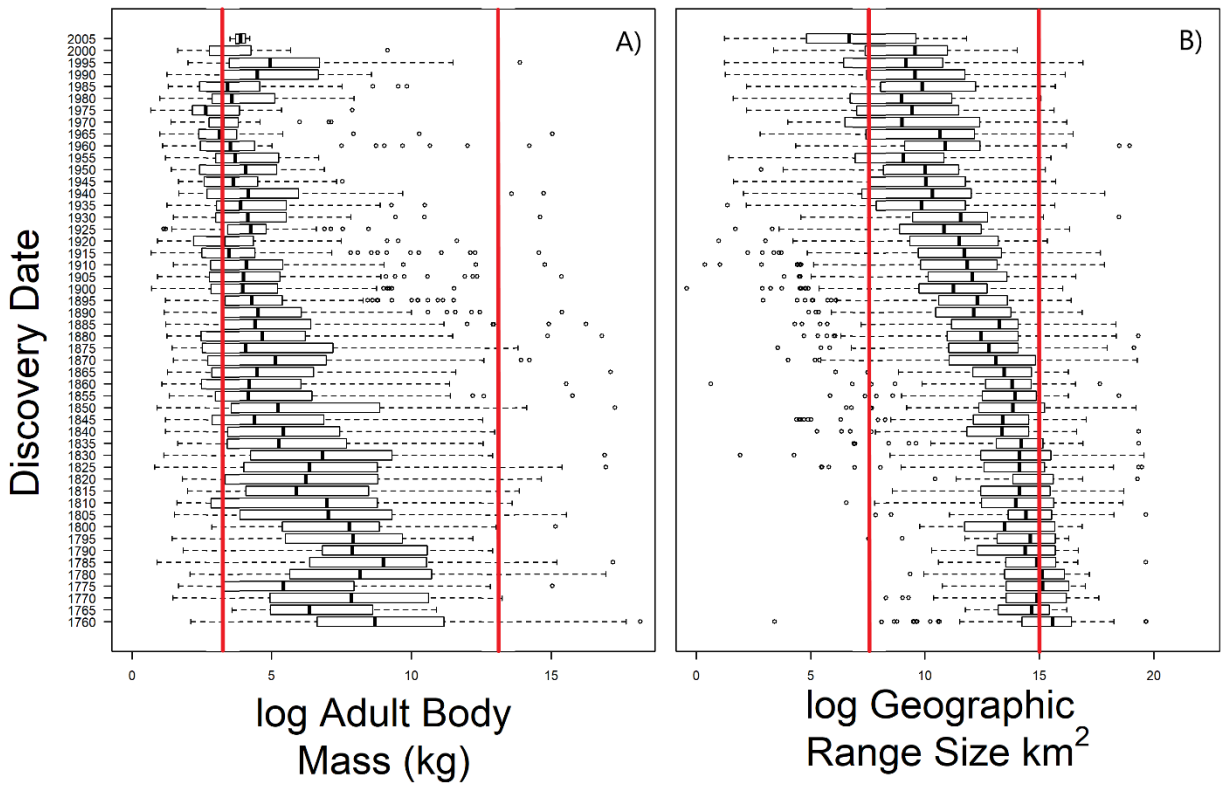


Figure 3.3: Box-plots of body mass (A) and geographic range size (B) over time. The red lines indicate where the line on the partial dependence plot becomes flat in figure 3.2. Between the red lines is where most variation can be found.

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CHAPTER 4

GLOBAL PATTERNS OF DESCRIPTION IN LOWER TAXA: MURIDAE, AN EXAMPLE[3]

[3] Fisher, M. A., P. R. Stephens and J. L. Gittleman. To be submitted to an as yet undecided journal.

Abstract

As extinction rates increase, we risk losing species before they are known to science. Although estimates are available on how many species remain undiscovered, few studies have analyzed the traits which allow species to remain elusive. Studies, to date, have investigated correlates of discovery across large regional or global datasets at high taxonomic levels (class or phyla). Here, we estimate the number of unknown species and the biological and ecological traits which correlate with discovery dates in a lower taxonomic group of mammals (Muridae). We estimate that about 5% of murid rodents are undiscovered, with geographic range size and genus being the highest correlates, explaining 38.95% and 19.57% of the variance in murid discovery date, respectively. In contrast, body mass, which has been found to strongly correlate with discovery date across mammals, has little effect on the discovery of a murid. Our results suggest that geographic range sizes are related to patterns of discovery at multiple taxonomic levels while other traits such as body size are more clade-specific.

Introduction

It is estimated that 7.5 million species remain unknown to science, though a precise number is uncertain (Mora *et al.* 2011; Costello *et al.* 2013; Fisher *et al.* 2018). Species numbers have been estimated for many groups, specifically all species within a region or all species within a phylum, class or order globally (Pimm *et al.* 2010; Joppa *et al.* 2011a, b; Mora *et al.* 2011; Giam *et al.* 2012; Essl *et al.* 2013; Tedesco *et al.* 2014; Fisher *et al.* 2018). Estimates at lower taxonomic levels are used in population based studies to determine how many species are in an area (Chao *et al.* 2009), whereas higher taxonomic levels provide regional or global predictions of how many species exist (Pimm *et al.* 2010; Joppa *et al.* 2011a, b; Mora *et al.* 2011; Giam *et al.* 2012; Essl *et al.* 2013; Tedesco *et al.* 2014; Fisher *et al.* 2018). Within any particular

taxonomic level, variation in rarity of subtaxa tends to display a log-normal distribution (i.e., number of species per eutherian order vs. per rodent family vs. per murid genus) (Purvis & Hector 2000), therefore, global estimates of species numbers in lower taxa (i.e. family or genera) may provide similar but more specific results to comparable studies of more inclusive taxa (i.e. class or order). However, some traits that correlate with patterns of discovery may differ across taxonomic levels. For example, the median body size of rodents, soricomorphs, and bats is small compared to most other mammal groups, suggesting that, in those clades, body size variation might be less important in determining when a species was discovered (i.e., compared to most mammal groups they contain few species likely to be conspicuous simply due to their size). Further, traits of restricted taxa, such as genera or families, will tend to be more homogenous overall than those of more diverse taxa, such as orders or classes, lending further uncertainty about the traits that best predict discovery date in these clades. To date, there have been few studies of discovery patterns in lower taxonomic groups, and no such studies in mammals.

Various methods have been used for estimating species numbers. One approach is by species accumulation curves, which fits a curve to the cumulative number of species over time to predict how many more species must remain in order to reach the asymptote of that curve. However, when species accumulation is considered in groups which are still far from reaching an asymptote, such methods yield imprecise estimates of total species numbers (Mora *et al.* 2011). A potentially more informative approach is to examine species-author accumulation curves, which add taxonomic effort, a measure of the number of taxonomists working in a time period, and taxonomic efficiency, an estimate of the skill level of taxonomists for finding undiscovered species, to the species accumulation model to predict how many species remain unknown (Pimm *et al.* 2010; Joppa *et al.* 2011a, b; Giam *et al.* 2012; Fisher *et al.* 2018). This method also uses

maximum likelihood to optimize the values which best fit a probabilistic model. Past studies have provided total species estimates for relatively large groups and higher taxa (Pimm *et al.* 2010; Joppa *et al.* 2011a, b; Mora *et al.* 2011; Giam *et al.* 2012; Essl *et al.* 2013; Tedesco *et al.* 2014; Fisher *et al.* 2018) because trends based on a smaller sample sizes are more biased due to higher variability (Peet 1974). Although most past studies used a sample size larger than 5,000 species (Joppa *et al.* 2011a; Joppa *et al.* 2011b; Giam *et al.* 2012; Fisher *et al.* 2018), the sample size has ranged from 570 flowering plants in western Brazil (Pimm *et al.* 2010) to 108,000 seed plants on Earth (Joppa *et al.* 2011b).

In some cases, groups at lower taxonomic levels, such as family or genera, can be equally as speciose as higher taxa, such as orders. For example, the rodent family Muridae contains roughly 740 described species, which is more members than most other mammalian orders. In addition, all murids share morphological and ecological similarities, but are also geographically widespread. It is likely that many of the remaining undiscovered mammal species are murids because traits such as small body size and restricted geographic ranges, which are both negatively correlated with the likelihood of discovery across mammals as a whole, are characteristic of this group (Chapter 3; Cabrero-Sañudo & Lobo 2003; Collen *et al.* 2004; Diniz-Filho *et al.* 2005; Stork *et al.* 2008; Fisher *et al.* 2018). Murids such as *Mus musculus* and *Rhabdomys pumilio*, are also important models for an array of biological and medical research (Sage *et al.* 1993; Avenant & Cavallini 2007) and select species rank among the best studied of all mammals. However, most murids are relatively poorly studied and are mainly known only from basic taxonomy (Amori & Clout 2003). Due to the relatively large number of species that likely remain to be discovered and nearly global distribution, Muridae is an excellent choice for a study of species description at a lower taxonomic level.

In this study, we estimate the number of undiscovered species and the correlates of discovery in Muridae. We estimate species richness using a recent method, which models the number of unknown species based on the number of taxonomists working and the number of species described through time (Fisher *et al.* 2018). We identify the correlates of discovery in murid rodents through a survival function, treating discovery as an event and the traits as having helped those species remain undiscovered. Although these measures have been investigated both across the class Mammalia and within mammalian orders, this is the first analytical study of species distributions at a more restricted taxonomic level.

Methods

Data

We employed data on 3355 adult Muridae specimens, encompassing 250 species. Data for 3,300 specimens, encompassing 170 species, with latitude, longitude, and adult body mass values for each specimen (Table S1) were downloaded from VertNet (the online repository for specimen data) (Constable *et al.* 2010; Guralnick & Constable 2010). Fifty specimen records provided latitude and longitude values that did not agree with the locality, and in those cases, the locality datum was given preference. For those records which did not provide latitude/longitude values, we used other VertNet records, publications, and general maps to find GPS values based on the provided locality information.

For an additional 1,300 specimens, we collected condyloincisive lengths (CILs) to be used as a measure of adult body size. These specimens were chosen because they encompassed 177 species for which panTHERIA, the mammal trait database, is missing adult body mass estimates (Jones *et al.* 2009). For each measured specimen, a high resolution photo was taken of the lateral view of the skull in black sand with a scale bar. These images were then measured

using ImageJ software to produce CILs for each specimen (Schindelin *et al.* 2012). For those specimens for which a field weight was taken, this measure was also recorded. These field weights were used to determine the relationship between the CIL and adult body mass. Once established, this relationship was used to estimate the adult body mass for specimens without field weights.

For each specimen, discovery date, geographic range size, litter size, and human population density were added from panTHERIA for those species which were described prior to 2003 (Jones *et al.* 2009). Species described after 2003 were assigned the discovery date from their published description and an unknown value (NA) for all other species-level traits. Continuous traits were logarithmically transformed to equalize variances. See Table S2 for sample sizes.

To assign their biogeographic realms and biomes, each specimen was placed on the Nature Conservancy's map of realms and biomes using R v. 3.4.0 at the latitude and longitude values of collection (Figure 4.1) (The Nature Conservancy 2002; R Core Team 2015). Each specimen was then assigned the correct realm and biome based on its locality using the sp package in R (Pebesma & Bivand 2005).

Estimated Global Number of Muridae Species

Following Fisher *et al*. (2018), we used a model that represents species description as a relationship among total undescribed species, taxonomic efficiency (how effective taxonomists are at finding new species), and taxonomic effort (the number of taxonomists describing species) (Joppa *et al.* 2011a, b; Fisher *et al.* 2018). We assume that number of species described in a time interval (S_i) is proportional to the combination of the number of taxonomists working (T_i) in that

interval, the unknown total number of species by S_T minus the number described up to time i by D_i and some value E_i which represents taxonomic efficiency in the same interval:

$$S_i \propto T_i \times (S_T - D_i) \times E_i.$$

Our model allows taxonomic efficiency to vary over time, but only such that it strictly increases or remains constant. Reflecting our assumption that taxonomists only ever become more effective at describing new species as time progresses, as scientific technique improves and knowledge accumulates. A flexible parametric expression for taxonomic efficiency is the exponential function ae^{bY_i}, where Y_i denotes the time interval bin (i.e., 0, 5, 10,… where 0 refers to the time bin from 1755-1760 and 5 refers to the bin from 1760-1765) and $a > 0$ and $b \geq 0$ are estimated coefficients. Substituting this expression into equation (2), substituting S_i with S_{iest}, the estimated number of species described in each five year interval, and replacing the proportionality with equality, our model becomes

$$S_{iest} = T_i \times (S_T - D_i) \times ae^{bY_i}.$$

Following Fisher *et al*. (2018), maximum likelihood was used to estimate all model parameters, including S_T, total number of species. From the Poisson assumption, the likelihood is given by,

$$-L(a, b, S_T \mid S_i) = \sum_{i=1}^{B} - log(e^{ae^{bY_i} \times T_i \times (S_T - D_i)} \frac{(ae^{bY_i} \times T_i \times (S_T - D_i))^{S_i}}{S_i!}),$$

where B refers to the number of time interval bins.

Maximum likelihood estimates for a, b and S_T, were obtained using the $optim$ function in R v 3.01, utilizing the Nelder-Mead method for its robustness (Peressini *et al.* 1988; R Core

Team 2015). To constrain a and b to be positive, we fitted the model in log coordinates for these variables. Optimization was repeated until the changes in estimates were reduced to less than 9×10^{-6}. Parameter uncertainty was quantified using Wald's confidence intervals (Wald 1940).

Trait Analysis

To investigate the relationship between discovery date and species traits, we performed a generalized boosted regression using gbm v. 2.1.3 (Ridgeway 2015) with R v. 3.4.0 (R Core Team 2015). We selected the generalized boosted regression model (GBM) because of its ability to accommodate missing data as well as utilize survival analysis methods. Survival analyses use the time until an event occurs as a response variable for analyzing a dataset of predictor variables (Cox 2018). We utilize this method such that the event is species discovery and the predictor variables are species traits. In our model, survival indicates that a species has remained undiscovered. Our model was created using a Cox proportional hazards distribution (Cox 2018) and up to 100,000 trees. We determined the best iteration of the model by ten-fold cross-validation via the $gbm.perf$ function (Ridgeway 2015). We also calculated a pseudo-R^2 value for the model, comparing the actual discovery dates to those predicted by the model.

We investigated the influence of species-level traits (which were the same for every specimen of a specific species) as opposed to specimen-level traits (which were specific to each specimen) by comparing the pseudo-R^2 values from models which included species-level traits, specimen-level traits, and both species and specimen-level traits. Genus remained in all models.

Phylogeny must be accounted for in comparative analyses (Felsenstein 1985; Harvey & Pagel 1991; Diniz-Filho & Tôrres 2002). There are two possible ways to incorporate phylogenetic information into a boosted regression tree analysis: 1) directly by including phylogenetic eigenvectors (Diniz-Filho *et al.* 1998, 2012) as additional predictor variables and 2)

indirectly by using taxonomy as a proxy for phylogenetic relationships (Gittleman & Luh 1994). To create phylogenetic eigenvectors, the pairwise distances between pairs of tips from the mammal supertree (Bininda-Emonds *et al.* 2007) were extracted using the *ape* package (Paradis *et al.* 2004) and then converted into eigenvectors using standard phylogenetic eigenvector regression. Genus was used to represent phylogenetic data using taxonomic information. To test whether taxonomic categorization is a sufficient method to including phylogenetic information, we compared the pseudo-R^2 values of two different models: (1) using species traits and Order and (2) using species traits and the 15 phylogenetic eigenvectors which explained the greatest proportion of variance in the phylogenetic distance matrix. Because the model including phylogenetic eigenvectors did not out-perform the model including taxonomy, we only present results using taxonomy in the main text. The model comparison can be found in Table S4.

Results

Estimated Global Number of Muridae Species

The plot of time against number of species shows that our model fits the actual number of species described per five year period, with the Pearson's correlation coefficient of 0.87 (Figure 4.2). We estimate that 92-98% of Muridae species have been discovered, suggesting that 2-8% of species remain to be described.

Trait Analysis

Table 4.1 shows the relative influence of each predictor variable on discovery date across Muridae specimens when all traits, species-specific and specimen-specific traits are included. Regardless of the traits considered, genus remains one of the most important traits, explaining 20% to 23% of the variance depending on the inclusion of other traits.

Geographic range size is the most important trait and adult body mass remains the least important trait with discovery date, both with genus included and without. The relative influence of each variable changes, however, with respect to other correlates. For example, latitude explains 20% of the variance with specimen level traits, but only 12% with all traits.

Discussion

We estimate that 33% of all unknown mammal species are within Rodentia, the largest order of mammals (Chapter 2). As the largest family of rodents, we observe that a proportionally large percentage (43%) of undiscovered rodent species are likely murids. Further, we predict that about 5% of all murid species have yet to be discovered using a novel analytical method, providing a result similar to that found across mammals (Fisher *et al.* 2018). To aid in future discovery of the approximately 43 (95% prediction interval: $\pm$ 26) species of Muridae that remain undiscovered, it is helpful to understand the trend between traits and discovery date in this mammalian group in order to aid future species discovery.

According to Fisher *et al*. (2018), geographic range size, adult body mass, human population density, litter size, and taxonomy are the most important character traits in determining when a mammal species was described across the entire class of Mammalia. In the current study, we determined that most of these same traits are also important in murid rodents (Table 4.1, Figure 4.3).

Regardless of other traits, geographic range size is the most important trait in determining when a murid was discovered (Table 4.1 and Figure 4.3A). This is a result of both the influence of range size on the visibility of a species and the characteristics of our dataset. Highly varying geographic range sizes (from 96.6 km^2 to 84.3 million km^2) strengthen the negative correlation between range size and discovery date, as correlations rely on variance. A larger range size

means that species might be found across a greater region, whereas a small range means that a taxonomist must be fortunate to look in the correct place to discover a new species. In murids, although range size is highly variable, most species have ranges smaller than 1.96 million km^2, which explains why most murids have been discovered in the last 150 years of taxonomy rather than before (Figure 4.2).

Taxonomy (here measured by the genus to which a murid species is assigned) is also a significant correlate of discovery date in murids (Table 4.1). Historically, taxonomists described many related species in a single publication. More recently, species are often described one per publication. However, the reevaluation of a speciose genus may reveal multiple cryptic congeners that are likely to be discovered and described at once.

In contrast, adult body mass is one of the least important traits in the discovery of murid species (Table 4.1). Though *Crateromys schladenbergi* is by far the largest Muridae in our dataset (1.65 kg), most murids are on average 61.6 g (range 0.036 g to 1.65 kg) which greatly reduces the variance and likelihood of observing a small species. With other traits having much greater variances and the lack of a strong correlation (Figure 4.3D), the effect of adult body mass on discovery is overshadowed by the other traits examined.

Although few studies have considered the relationship between biological traits and discovery date, the correlation between some of these traits and extinction risk is well-known (Jones *et al.* 2003; Cardillo *et al.* 2005, 2006, 2008; Davidson *et al.* 2017; Ripple *et al.* 2017). As taxonomists attempt to discover species before extinction, traits correlated with both discovery and extinction risk may indicate where efforts should be focused. For mammals, small geographic range and large body size correlate with increased extinction risk (Cardillo *et al.* 2006, 2008; Davidson *et al.* 2017; Ripple *et al.* 2017). Species with small ranges are more

quickly affected by habitat destruction because they lack safe areas within their range. And as noted previously most undiscovered murid species are likely also limited to small geographic ranges (Figure 4.3A).

While small range size indicates both greater extinction risk and greater likelihood of being undiscovered in murids, a similar parallel with body size is not observed (Table 4.1). Across all mammals, small body size offsets the tendency for undiscovered species to also be threatened, as larger mammals are both at a greater risk of extinction and more likely to have been discovered than those with smaller body sizes. However, in murids, relatively large species are no more likely to have been discovered than smaller species, as they exhibit such little variation in body mass. Therefore, there is good reason to expect that many undiscovered murid species are also highly threatened. Somewhat countering this expectation is the fact that human population density also strongly correlated with extinction risk across mammals, as well as both with threat status and discovery date in murids (Cardillo *et al.* 2008). Proximity to human populations is a good proxy for threat intensity because risk increases with human-facilitated habitat destruction (Amori & Clout 2003), disease (Bradley & Altizer 2007), and an increase in invasive species (Smith & Quin 1996). Likelihood of discovery is also a result of this proximity, explaining the negative relationship between discovery date and human population density.

With the information provided in this chapter, the next step is to determine the characteristics of an unknown murid species. Our data can only predict that an unknown species will have a very small range. Our results also indicate a higher probability that this unknown murid has smaller litter sizes and will be found in areas of low human population density. However, the influence of these traits was relatively weak compared to that of range size. We also hypothesize that most undiscovered murids are nocturnal and subterranean, two

characteristics which humans do not display, providing crypticity to these species and contributing to the ability to remain unknown. However, these traits remain to be tested due to the lack of data on these traits for the species included in this study.

Our analyses provide insights into the patterns of Muridae species discovery as well as expectations as to which character traits are most important in finding new species. We determined that while geographic range size and taxonomy are the most important traits in the discovery of murids, the importance of body size is negligible. However, while these results are specific to those species found in the mammalian family of Muridae, they may not be predictive in a study of a higher taxon, such as mammals (chapter 3). Thus, additional studies focused on other relatively restricted taxonomic groups, such as Soricidae (the most speciose family of soricomorphs), might be similarly informative. Such comparative study will provide insight about mechanisms driving large scale patterns of species discovery and extinction.

Table 4.1: Generalized boosted regression models for Muridae species. The value for each trait indicates the relative importance in determining discovery date. R^2 denotes the pseudo-R^2 value used to assess fit of the model. A dash (-) indicates that the trait was not included in the model.

	All traits	Species-only	Specimen-only
Genus	19.57	23.91	22.59
log(Geographic Range Area (km^2))	38.95	53.79	-
Litter Size	7.01	10.33	-
log(Mean Human Population Density (n/km^2))	9.42	11.96	-
Longitude	2.91	-	39.13
Latitude	12.47	-	19.68
Realm	5.83	-	6.84
Biome	2.87	-	5.06
log(Adult Body Mass (kg))	0.97	-	6.7
R^2	0.94	0.94	0.73

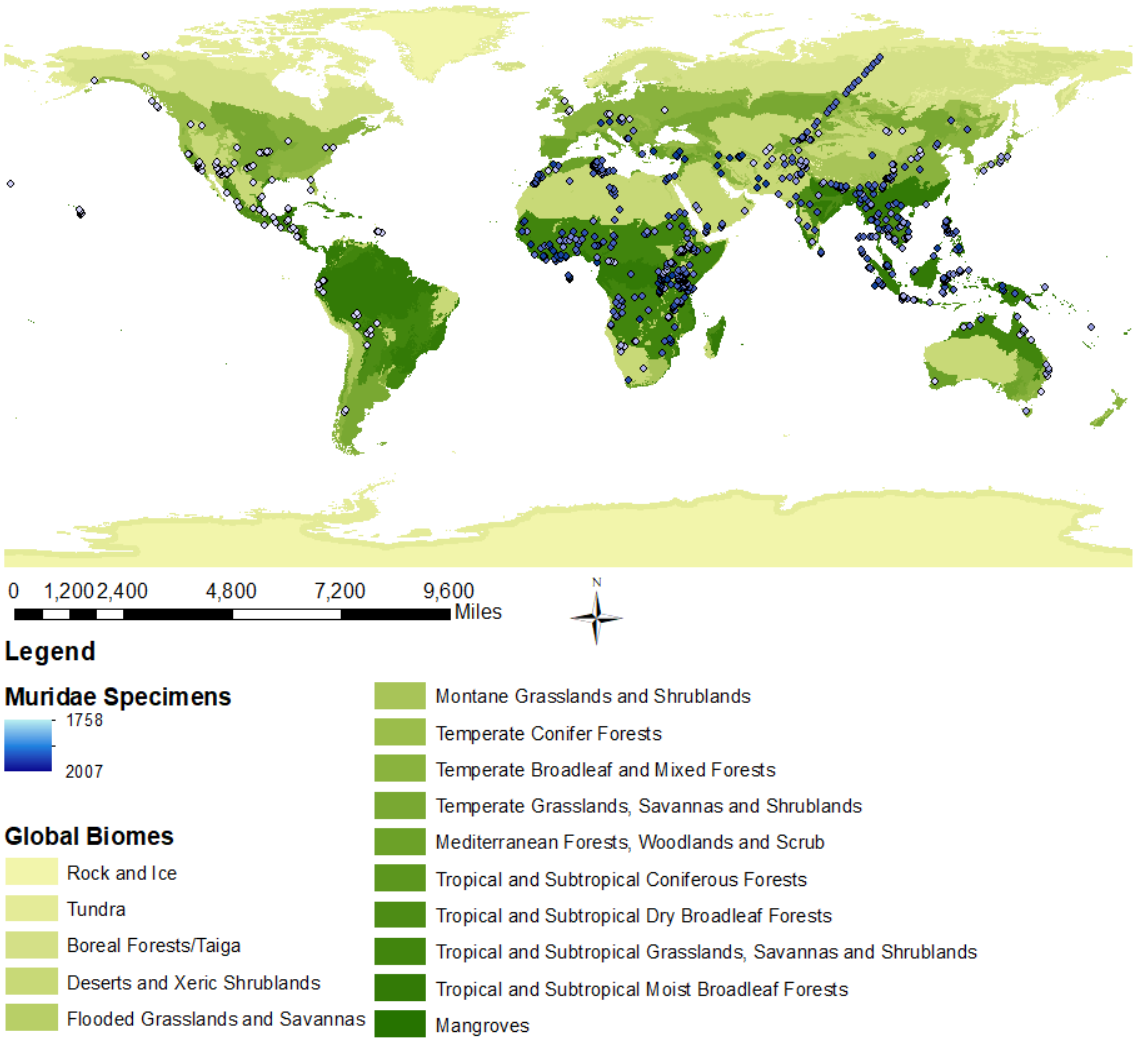


Figure 4.1: Map of Specimen Localities. Lighter colors (White) indicate earlier discovered species and darker colors (Dark blue) indicate later discovered species. Yellower areas indicate biomes that are dryer and greener areas indicate more wet biomes. The linear distribution of points through Russia depicts a single expedition which collected specimens across a transect. The points displayed in the Americas are specimens belonging to the following invasive species: *Mus musculus*, *Rattus rattus*, and *Rattus norvegicus*.

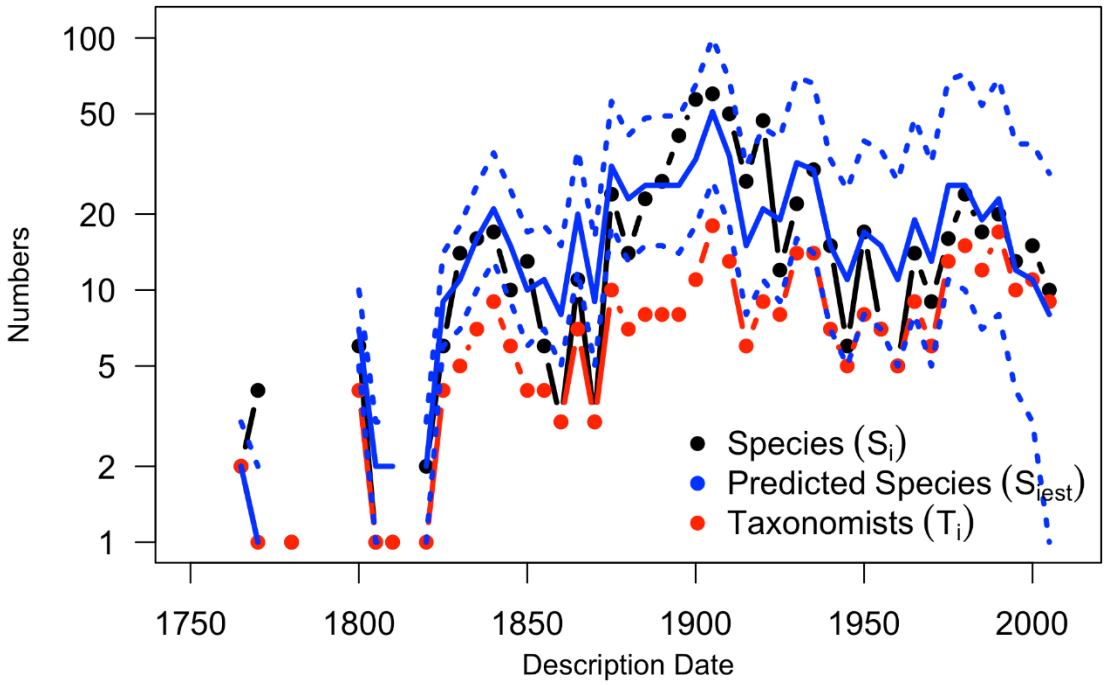


Figure 4.2: Muridae species described per 5 year intervals. The dashed blue lines represent the confidence interval around the estimated number of species in each five year interval (Siest).

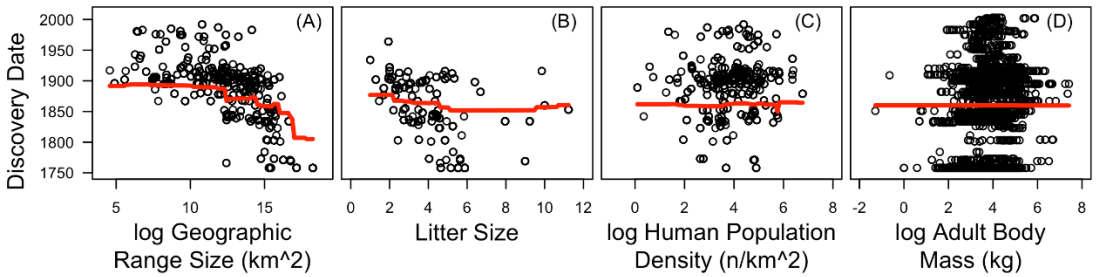


Figure 4.3: Partial dependence plots of traits vs. discovery date. A-D refer to geographic range size, litter size, human population density, and adult body mass, respectively. Red lines refer to the partial dependence calculated by the model.

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APPENDIX A

SUPPLEMENTARY MATERIALS FOR CHAPTER 2

Table S1: List of all Species included, with Date of Description, and Describing Taxonomist for each

Species	*Description Date*	*Taxonomist*
Alces_alces	*1758*	*Linnaeus*
Antilope_cervicapra	*1758*	*Linnaeus*
Apodemus_sylvaticus	*1758*	*Linnaeus*
Arvicola_amphibius	*1758*	*Linnaeus*
Ateles_paniscus	*1758*	*Linnaeus*
Atherurus_macrourus	*1758*	*Linnaeus*
Atlantoxerus_getulus	*1758*	*Linnaeus*
Babyrousa_babyrussa	*1758*	*Linnaeus*
Balaena_mysticetus	*1758*	*Linnaeus*
Balaenoptera_musculus	*1758*	*Linnaeus*
Balaenoptera_physalus	*1758*	*Linnaeus*
Bison_bison	*1758*	*Linnaeus*
Bison_bonasus	*1758*	*Linnaeus*
Bos_taurus	*1758*	*Linnaeus*
Bradypus_tridactylus	*1758*	*Linnaeus*
Bubalus_bubalis	*1758*	*Linnaeus*
Cabassous_unicinctus	*1758*	*Linnaeus*
Callithrix_jacchus	*1758*	*Linnaeus*
Callorhinus_ursinus	*1758*	*Linnaeus*
Caluromys_philander	*1758*	*Linnaeus*
Camelus_bactrianus	*1758*	*Linnaeus*
Camelus_dromedarius	*1758*	*Linnaeus*
Canis_aureus	*1758*	*Linnaeus*
Canis_lupus	*1758*	*Linnaeus*

Capra_hircus	*1758*	*Linnaeus*
Capra_ibex	*1758*	*Linnaeus*
Capreolus_capreolus	*1758*	*Linnaeus*
Carollia_perspicillata	*1758*	*Linnaeus*
Castor_fiber	*1758*	*Linnaeus*
Cavia_porcellus	*1758*	*Linnaeus*
Cebus_apella	*1758*	*Linnaeus*
Cebus_capucinus	*1758*	*Linnaeus*
Cercopithecus_cephus	*1758*	*Linnaeus*
Cercopithecus_diana	*1758*	*Linnaeus*
Cervus_elaphus	*1758*	*Linnaeus*
Chlorocebus_aethiops	*1758*	*Linnaeus*
Choloepus_didactylus	*1758*	*Linnaeus*
Chrysochloris_asiatica	*1758*	*Linnaeus*
Coendou_prehensilis	*1758*	*Linnaeus*
Condylura_cristata	*1758*	*Linnaeus*
Cricetus_cricetus	*1758*	*Linnaeus*
Cyclopes_didactylus	*1758*	*Linnaeus*
Cynocephalus_volans	*1758*	*Linnaeus*
Dama_dama	*1758*	*Linnaeus*
Dasyprocta_leporina	*1758*	*Linnaeus*
Dasypus_novemcinctus	*1758*	*Linnaeus*
Dasypus_septemcinctus	*1758*	*Linnaeus*
Delphinus_delphis	*1758*	*Linnaeus*
Desmana_moschata	*1758*	*Linnaeus*
Diceros_bicornis	*1758*	*Linnaeus*
Didelphis_marsupialis	*1758*	*Linnaeus*
Eira_barbara	*1758*	*Linnaeus*
Elephas_maximus	*1758*	*Linnaeus*
Enhydra_lutris	*1758*	*Linnaeus*
Equus_asinus	*1758*	*Linnaeus*

Equus_caballus	*1758*	*Linnaeus*
Equus_zebra	*1758*	*Linnaeus*
Erethizon_dorsatum	*1758*	*Linnaeus*
Erinaceus_europaeus	*1758*	*Linnaeus*
Euphractus_sexcinctus	*1758*	*Linnaeus*
Felis_catus	*1758*	*Linnaeus*
Gazella_dorcas	*1758*	*Linnaeus*
Genetta_genetta	*1758*	*Linnaeus*
Giraffa_camelopardalis	*1758*	*Linnaeus*
Glaucomys_volans	*1758*	*Linnaeus*
Gulo_gulo	*1758*	*Linnaeus*
Herpestes_ichneumon	*1758*	*Linnaeus*
Hippopotamus_amphibius	*1758*	*Linnaeus*
Homo_sapiens	*1758*	*Linnaeus*
Hyaena_hyaena	*1758*	*Linnaeus*
Hystrix_brachyura	*1758*	*Linnaeus*
Hystrix_cristata	*1758*	*Linnaeus*
Jaculus_jaculus	*1758*	*Linnaeus*
Lama_glama	*1758*	*Linnaeus*
Lemmus_lemmus	*1758*	*Linnaeus*
Lemniscomys_striatus	*1758*	*Linnaeus*
Lemur_catta	*1758*	*Linnaeus*
Leopardus_pardalis	*1758*	*Linnaeus*
Lepus_capensis	*1758*	*Linnaeus*
Lepus_timidus	*1758*	*Linnaeus*
Loris_tardigradus	*1758*	*Linnaeus*
Lutra_lutra	*1758*	*Linnaeus*
Lynx_lynx	*1758*	*Linnaeus*
Macaca_silenus	*1758*	*Linnaeus*
Macaca_sylvanus	*1758*	*Linnaeus*
Mandrillus_sphinx	*1758*	*Linnaeus*

Manis_pentadactyla	*1758*	*Linnaeus*
Marmosa_murina	*1758*	*Linnaeus*
Marmota_marmota	*1758*	*Linnaeus*
Marmota_monax	*1758*	*Linnaeus*
Martes_martes	*1758*	*Linnaeus*
Martes_zibellina	*1758*	*Linnaeus*
Megaderma_spasma	*1758*	*Linnaeus*
Meles_meles	*1758*	*Linnaeus*
Mirounga_leonina	*1758*	*Linnaeus*
Monodon_monoceros	*1758*	*Linnaeus*
Moschus_moschiferus	*1758*	*Linnaeus*
Mus_musculus	*1758*	*Linnaeus*
Muscardinus_avellanarius	*1758*	*Linnaeus*
Mustela_erminea	*1758*	*Linnaeus*
Mustela_putorius	*1758*	*Linnaeus*
Myrmecophaga_tridactyla	*1758*	*Linnaeus*
Neotragus_pygmaeus	*1758*	*Linnaeus*
Noctilio_leporinus	*1758*	*Linnaeus*
Odobenus_rosmarus	*1758*	*Linnaeus*
Orcinus_orca	*1758*	*Linnaeus*
Oryctolagus_cuniculus	*1758*	*Linnaeus*
Oryx_gazella	*1758*	*Linnaeus*
Ovis_ammon	*1758*	*Linnaeus*
Ovis_aries	*1758*	*Linnaeus*
Ozotoceros_bezoarticus	*1758*	*Linnaeus*
Panthera_leo	*1758*	*Linnaeus*
Panthera_onca	*1758*	*Linnaeus*
Panthera_pardus	*1758*	*Linnaeus*
Panthera_tigris	*1758*	*Linnaeus*
Papio_hamadryas	*1758*	*Linnaeus*
Pecari_tajacu	*1758*	*Linnaeus*

Philander_opossum	*1758*	*Linnaeus*
Phoca_vitulina	*1758*	*Linnaeus*
Phocoena_phocoena	*1758*	*Linnaeus*
Physeter_catodon	*1758*	*Linnaeus*
Plecotus_auritus	*1758*	*Linnaeus*
Potamochoerus_porcus	*1758*	*Linnaeus*
Procyon_lotor	*1758*	*Linnaeus*
Pteromys_volans	*1758*	*Linnaeus*
Pteropus_vampyrus	*1758*	*Linnaeus*
Rangifer_tarandus	*1758*	*Linnaeus*
Rattus_rattus	*1758*	*Linnaeus*
Rhinoceros_unicornis	*1758*	*Linnaeus*
Rupicapra_rupicapra	*1758*	*Linnaeus*
Saguinus_midas	*1758*	*Linnaeus*
Saguinus_oedipus	*1758*	*Linnaeus*
Saimiri_sciureus	*1758*	*Linnaeus*
Scalopus_aquaticus	*1758*	*Linnaeus*
Sciurus_niger	*1758*	*Linnaeus*
Sciurus_vulgaris	*1758*	*Linnaeus*
Sorex_araneus	*1758*	*Linnaeus*
Spilogale_putorius	*1758*	*Linnaeus*
Sus_scrofa	*1758*	*Linnaeus*
Sylvicapra_grimmia	*1758*	*Linnaeus*
Sylvilagus_brasiliensis	*1758*	*Linnaeus*
Talpa_europaea	*1758*	*Linnaeus*
Tamandua_tetradactyla	*1758*	*Linnaeus*
Tamias_striatus	*1758*	*Linnaeus*
Tapirus_terrestris	*1758*	*Linnaeus*
Tarsius_syrichta	*1758*	*Linnaeus*
Tolypeutes_tricinctus	*1758*	*Linnaeus*
Trichechus_manatus	*1758*	*Linnaeus*

Ursus_arctos	*1758*	*Linnaeus*
Vampyrum_spectrum	*1758*	*Linnaeus*
Vespertilio_murinus	*1758*	*Linnaeus*
Viverra_zibetha	*1758*	*Linnaeus*
Vulpes_lagopus	*1758*	*Linnaeus*
Vulpes_vulpes	*1758*	*Linnaeus*
Pongo_pygmaeus	*1760*	*Linnaeus*
Microtus_agrestis	*1761*	*Linnaeus*
Mustela_lutreola	*1761*	*Linnaeus*
Sousa_chinensis	*1765*	*Osbeck*
Tragulus_javanicus	*1765*	*Osbeck*
Alouatta_belzebul	*1766*	*Linnaeus*
Alouatta_macconnelli	*1766*	*Linnaeus*
Alouatta_seniculus	*1766*	*Linnaeus*
Bos_grunniens	*1766*	*Linnaeus*
Cercopithecus_nictitans	*1766*	*Linnaeus*
Cerdocyon_thous	*1766*	*Linnaeus*
Chlorocebus_sabaeus	*1766*	*Linnaeus*
Cuniculus_paca	*1766*	*Linnaeus*
Eliomys_quercinus	*1766*	*Linnaeus*
Eulemur_macaco	*1766*	*Linnaeus*
Eulemur_mongoz	*1766*	*Linnaeus*
Funambulus_palmarum	*1766*	*Linnaeus*
Glis_glis	*1766*	*Linnaeus*
Hydrochoerus_hydrochaeris	*1766*	*Linnaeus*
Lemniscomys_barbarus	*1766*	*Linnaeus*
Leontopithecus_rosalia	*1766*	*Linnaeus*
Macaca_nemestrina	*1766*	*Linnaeus*
Manis_tetradactyla	*1766*	*Linnaeus*
Mustela_nivalis	*1766*	*Linnaeus*
Nasua_narica	*1766*	*Linnaeus*

Nasua_nasua	*1766*	*Linnaeus*
Ondatra_zibethicus	*1766*	*Linnaeus*
Papio_cynocephalus	*1766*	*Linnaeus*
Petinomys_sagitta	*1766*	*Linnaeus*
Pithecia_pithecia	*1766*	*Linnaeus*
Saiga_tatarica	*1766*	*Linnaeus*
Sciurus_aestuans	*1766*	*Linnaeus*
Sorex_minutus	*1766*	*Linnaeus*
Spermophilus_citellus	*1766*	*Linnaeus*
Suncus_murinus	*1766*	*Linnaeus*
Perodicticus_potto	*1766*	*M^{a}ller*
Alcelaphus_buselaphus	*1766*	*Pallas*
Boselaphus_tragocamelus	*1766*	*Pallas*
Gazella_gazella	*1766*	*Pallas*
Glossophaga_soricina	*1766*	*Pallas*
Hippotragus_leucophaeus	*1766*	*Pallas*
Molossus_molossus	*1766*	*Pallas*
Nanger_dama	*1766*	*Pallas*
Orycteropus_afer	*1766*	*Pallas*
Petaurista_petaurista	*1766*	*Pallas*
Phacochoerus_aethiopicus	*1766*	*Pallas*
Phalanger_orientalis	*1766*	*Pallas*
Procavia_capensis	*1766*	*Pallas*
Taurotragus_oryx	*1766*	*Pallas*
Tragelaphus_scriptus	*1766*	*Pallas*
Tragelaphus_strepsiceros	*1766*	*Pallas*
Damaliscus_pygargus	*1767*	*Pallas*
Kerivoula_picta	*1767*	*Pallas*
Nyctimene_cephalotes	*1767*	*Pallas*
Phyllostomus_hastatus	*1767*	*Pallas*
Redunca_redunca	*1767*	*Pallas*

Vulpes_corsac	*1768*	*Linnaeus*
Rattus_norvegicus	*1769*	*Berkenhout*
Tamias_sibiricus	*1769*	*Laxmann*
Ochotona_pusilla	*1769*	*Pallas*
Ratufa_macroura	*1769*	*Pennant*
Hyperoodon_ampullatus	*1770*	*Forster*
Hemiechinus_auritus	*1770*	*Gmelin*
Spalax_microphthalmus	*1770*	*Gªldenst_dt*
Spermophilus_suslicus	*1770*	*Gªldenst_dt*
Vormela_peregusna	*1770*	*Gªldenst_dt*
Ellobius_talpinus	*1770*	*Pallas*
Callithrix_argentata	*1771*	*Linnaeus*
Puma_concolor	*1771*	*Linnaeus*
Pygathrix_nemaeus	*1771*	*Linnaeus*
Hylobates_lar	*1771*	*Linneaus*
Macaca_sinica	*1771*	*Linneaus*
Apodemus_agrarius	*1771*	*Pallas*
Capreolus_pygargus	*1771*	*Pallas*
Micromys_minutus	*1771*	*Pallas*
Neomys_fodiens	*1771*	*Pennant*
Myospalax_myospalax	*1773*	*Laxmann*
Cricetulus_barabensis	*1773*	*Pallas*
Cricetulus_migratorius	*1773*	*Pallas*
Dipus_sagitta	*1773*	*Pallas*
Lagurus_lagurus	*1773*	*Pallas*
Meriones_meridianus	*1773*	*Pallas*
Meriones_tamariscinus	*1773*	*Pallas*
Microtus_socialis	*1773*	*Pallas*
Mustela_sibirica	*1773*	*Pallas*
Ochotona_alpina	*1773*	*Pallas*
Phodopus_sungorus	*1773*	*Pallas*

Sicista_subtilis	*1773*	*Pallas*
Ursus_maritimus	*1774*	*Phipps*
Barbastella_barbastellus	*1774*	*Schreber*
Cebus_flavius	*1774*	*Schreber*
Cercopithecus_mona	*1774*	*Schreber*
Cercopithecus_petaurista	*1774*	*Schreber*
Cercopithecus_roloway	*1774*	*Schreber*
Eptesicus_serotinus	*1774*	*Schreber*
Miopithecus_talapoin	*1774*	*Schreber*
Nyctalus_noctula	*1774*	*Schreber*
Pipistrellus_pipistrellus	*1774*	*Schreber*
Potos_flavus	*1774*	*Schreber*
Rhinolophus_ferrumequinum	*1774*	*Schreber*
Saccopteryx_leptura	*1774*	*Schreber*
Scotophilus_nigrita	*1774*	*Schreber*
Pan_troglodytes	*1775*	*Blumenbach*
Equus_hemionus	*1775*	*Pallas*
Acinonyx_jubatus	*1775*	*Schreber*
Arctocephalus_pusillus	*1775*	*Schreber*
Canis_mesomelas	*1775*	*Schreber*
Erythrocebus_patas	*1775*	*Schreber*
Leopardus_tigrinus	*1775*	*Schreber*
Nycteris_hispida	*1775*	*Schreber*
Pusa_hispida	*1775*	*Schreber*
Uncia_uncia	*1775*	*Schreber*
Urocyon_cinereoargenteus	*1775*	*Schreber*
Dugong_dugon	*1776*	*M^{a}ller*
Lasiurus_borealis	*1776*	*M^{a}ller*
Monodelphis_americana	*1776*	*M^{a}ller*
Marmota_bobak	*1776*	*Muller*
Eubalaena_glacialis	*1776*	*P.L.S. M^{a}ller*

Fossa_fossana	*1776*	*P.L.S. Mªller*
Capra_sibirica	*1776*	*Pallas*
Delphinapterus_leucas	*1776*	*Pallas*
Felis_manul	*1776*	*Pallas*
Microtus_oeconomus	*1776*	*Pallas*
Myospalax_aspalax	*1776*	*Pallas*
Ochotona_dauurica	*1776*	*Pallas*
Ctenodactylus_gundi	*1776*	*Rothmann*
Caracal_caracal	*1776*	*Schreber*
Civettictis_civetta	*1776*	*Schreber*
Eumetopias_jubatus	*1776*	*Schreber*
Galictis_vittata	*1776*	*Schreber*
Genetta_tigrina	*1776*	*Schreber*
Leptailurus_serval	*1776*	*Schreber*
Mellivora_capensis	*1776*	*Schreber*
Mephitis_mephitis	*1776*	*Schreber*
Suricata_suricatta	*1776*	*Schreber*
Axis_axis	*1777*	*Erxleben*
Cavia_aperea	*1777*	*Erxleben*
Crocuta_crocuta	*1777*	*Erxleben*
Cystophora_cristata	*1777*	*Erxleben*
Erignathus_barbatus	*1777*	*Erxleben*
Jaculus_orientalis	*1777*	*Erxleben*
Kobus_kob	*1777*	*Erxleben*
Lepus_americanus	*1777*	*Erxleben*
Martes_foina	*1777*	*Erxleben*
Martes_pennanti	*1777*	*Erxleben*
Mazama_americana	*1777*	*Erxleben*
Monodelphis_brevicaudata	*1777*	*Erxleben*
Moschiola_meminna	*1777*	*Erxleben*
Myoprocta_acouchy	*1777*	*Erxleben*

Pagophilus_groenlandicus	*1777*	*Erxleben*
Ratufa_indica	*1777*	*Erxleben*
Spalax_zemni	*1777*	*Erxleben*
Spermophilus_mexicanus	*1777*	*Erxleben*
Spermophilus_variegatus	*1777*	*Erxleben*
Tamiasciurus_hudsonicus	*1777*	*Erxleben*
Tarsius_tarsier	*1777*	*Erxleben*
Trachypithecus_vetulus	*1777*	*Erxleben*
Microcebus_murinus	*1777*	*J.F. Miller*
Ammotragus_lervia	*1777*	*Pallas*
Oryx_leucoryx	*1777*	*Pallas*
Paradoxurus_hermaphroditus	*1777*	*Pallas*
Procapra_gutturosa	*1777*	*Pallas*
Felis_chaus	*1777*	*Schreber*
Felis_silvestris	*1777*	*Schreber*
Lontra_canadensis	*1777*	*Schreber*
Lynx_rufus	*1777*	*Schreber*
Neovison_vison	*1777*	*Schreber*
Taxidea_taxus	*1777*	*Schreber*
Allactaga_sibirica	*1778*	*Forster*
Pedetes_capensis	*1778*	*Forster*
Sciurus_anomalus	*1778*	*Gmelin*
Gazella_subgutturosa	*1778*	*G^{a}ldenst_dt*
Dicrostonyx_hudsonius	*1778*	*Pallas*
Dicrostonyx_torquatus	*1778*	*Pallas*
Dryomys_nitedula	*1778*	*Pallas*
Georychus_capensis	*1778*	*Pallas*
Lepus_europaeus	*1778*	*Pallas*
Lepus_tolai	*1778*	*Pallas*
Microtus_arvalis	*1778*	*Pallas*
Spermophilus_major	*1778*	*Pallas*

Spermophilus_pygmaeus	*1778*	*Pallas*
Spermophilus_undulatus	*1778*	*Pallas*
Paradoxurus_zeylonensis	*1778*	*Schreber*
Setifer_setosus	*1778*	*Schreber*
Tenrec_ecaudatus	*1778*	*Schreber*
Thylogale_brunii	*1778*	*Schreber*
Ratufa_bicolor	*1778*	*Sparrman*
Capra_caucasica	*1779*	*Gªldenst_dt & Pallas*
Monachus_monachus	*1779*	*Hermann*
Callosciurus_erythraeus	*1779*	*Pallas*
Microtus_gregalis	*1779*	*Pallas*
Myodes_rutilus	*1779*	*Pallas*
Sicista_betulina	*1779*	*Pallas*
Syncerus_caffer	*1779*	*Sparrman*
Crocidura_leucodon	*1780*	*Hermann*
Crocidura_russula	*1780*	*Hermann*
Ursus_americanus	*1780*	*Pallas*
Myodes_glareolus	*1780*	*Schreber*
Nyctalus_lasiopterus	*1780*	*Schreber*
Antidorcas_marsupialis	*1780*	*Zimmermann*
Axis_porcinus	*1780*	*Zimmermann*
Chironectes_minimus	*1780*	*Zimmermann*
Colobus_polykomos	*1780*	*Zimmermann*
Connochaetes_gnou	*1780*	*Zimmermann*
Dolichotis_patagonum	*1780*	*Zimmermann*
Echimys_chrysurus	*1780*	*Zimmermann*
Hydrodamalis_gigas	*1780*	*Zimmermann*
Macaca_mulatta	*1780*	*Zimmermann*
Muntiacus_muntjak	*1780*	*Zimmermann*
Odocoileus_virginianus	*1780*	*Zimmermann*
Ovibos_moschatus	*1780*	*Zimmermann*

Sorex_minutissimus	*1780*	*Zimmermann*
Vulpes_zerda	*1780*	*Zimmermann*
Xerus_inauris	*1780*	*Zimmermann*
Zapus_hudsonius	*1780*	*Zimmermann*
Megaptera_novaeangliae	*1781*	*Borowski*
Pteropus_giganteus	*1782*	*Br^{a}nnich*
Rhinopoma_microphyllum	*1782*	*Br^{a}nnich*
Conepatus_chinga	*1782*	*Molina*
Galictis_cuja	*1782*	*Molina*
Hippocamelus_bisulcus	*1782*	*Molina*
Lagidium_viscacia	*1782*	*Molina*
Leopardus_colocolo	*1782*	*Molina*
Leopardus_guigna	*1782*	*Molina*
Lontra_felina	*1782*	*Molina*
Lycalopex_culpaeus	*1782*	*Molina*
Myocastor_coypus	*1782*	*Molina*
Octodon_degus	*1782*	*Molina*
Pudu_puda	*1782*	*Molina*
Spalacopus_cyanus	*1782*	*Molina*
Vicugna_vicugna	*1782*	*Molina*
Bathyergus_suillus	*1782*	*Schreber*
Proteles_cristata	*1783*	*Sparrman*
Histriophoca_fasciata	*1783*	*Zimmerman*
Arctocephalus_australis	*1783*	*Zimmermann*
Oreotragus_oreotragus	*1783*	*Zimmermann*
Ourebia_ourebi	*1783*	*Zimmermann*
Rhabdomys_pumilio	*1784*	*Sparrman*
Callosciurus_notatus	*1785*	*Boddaert*
Conepatus_semistriatus	*1785*	*Boddaert*
Equus_quagga	*1785*	*Boddaert*
Martes_flavigula	*1785*	*Boddaert*

Nycticebus_coucang	*1785*	*Boddaert*
Pseudocheirus_peregrinus	*1785*	*Boddaert*
Redunca_arundinum	*1785*	*Boddaert*
Sorex_caecutiens	*1785*	*Laxmann*
Chlorocebus_cynosuros	*1786*	*Scopoli*
Nasalis_larvatus	*1787*	*Wurmb*
Avahi_laniger	*1788*	*Gmelin*
Daubentonia_madagascariensis	*1788*	*Gmelin*
Galidictis_fasciata	*1788*	*Gmelin*
Indri_indri	*1788*	*Gmelin*
Mungos_mungo	*1788*	*Gmelin*
Phacochoerus_africanus	*1788*	*Gmelin*
Pteronura_brasiliensis	*1788*	*Gmelin*
Pusa_caspica	*1788*	*Gmelin*
Pusa_sibirica	*1788*	*Gmelin*
Sciurus_carolinensis	*1788*	*Gmelin*
Philantomba_monticola	*1789*	*Thunberg*
Pelea_capreolus	*1790*	*Forster*
Macropus_giganteus	*1790*	*Shaw*
Halichoerus_grypus	*1791*	*Fabricius*
Melursus_ursinus	*1791*	*Shaw*
Petaurus_australis	*1791*	*Shaw*
Allactaga_major	*1792*	*Kerr*
Cercocebus_torquatus	*1792*	*Kerr*
Dasyurus_maculatus	*1792*	*Kerr*
Didelphis_virginiana	*1792*	*Kerr*
Dusicyon_australis	*1792*	*Kerr*
Eidolon_helvum	*1792*	*Kerr*
Hystrix_indica	*1792*	*Kerr*
Lemmus_sibiricus	*1792*	*Kerr*
Lynx_canadensis	*1792*	*Kerr*

Mazama_temama	*1792*	*Kerr*
Papio_ursinus	*1792*	*Kerr*
Petauroides_volans	*1792*	*Kerr*
Petaurus_norfolcensis	*1792*	*Kerr*
Piliocolobus_badius	*1792*	*Kerr*
Potorous_tridactylus	*1792*	*Kerr*
Priodontes_maximus	*1792*	*Kerr*
Prionailurus_bengalensis	*1792*	*Kerr*
Pteropus_niger	*1792*	*Kerr*
Pteropus_subniger	*1792*	*Kerr*
Pygeretmus_pumilio	*1792*	*Kerr*
Rusa_unicolor	*1792*	*Kerr*
Sorex_arcticus	*1792*	*Kerr*
Sorex_cinereus	*1792*	*Kerr*
Sphiggurus_mexicanus	*1792*	*Kerr*
Trichosurus_vulpecula	*1792*	*Kerr*
Varecia_variegata	*1792*	*Kerr*
Tachyglossus_aculeatus	*1792*	*Shaw*
Phascogale_tapoatafa	*1793*	*F. Meyer*
Acrobates_pygmaeus	*1793*	*Shaw*
Hapalemur_griseus	*1795*	*Link*
Tayassu_pecari	*1795*	*Link*
Trichechus_senegalensis	*1795*	*Link*
Eulemur_albifrons	*1796*	*ó. Geoffroy Saint-Hilaire*
Eulemur_fulvus	*1796*	*ó. Geoffroy Saint-Hilaire*
Galago_senegalensis	*1796*	*ó. Geoffroy Saint-Hilaire*
Eptesicus_fuscus	*1796*	*Beauvois*
Lasiurus_cinereus	*1796*	*Palisot de Beauvois*
Cercocebus_atys	*1797*	*Audebert*
Loxodonta_africana	*1797*	*Blumenbach*
Myotis_myotis	*1797*	*Borkhausen*

Semnopithecus_entellus	*1797*	*Dufresne*
Isoodon_obesulus	*1797*	*Shaw*
Cynopterus_sphinx	*1797*	*Vahl*
Hylobates_moloch	*1798*	*Audebert*
Hemicentetes_semispinosus	*1798*	*G. Cuvier*
Procyon_cancrivorus	*1798*	*G. Cuvier*
Cercopithecus_ascanius	*1799*	*Audebert*
Eulemur_rufus	*1799*	*Audebert*
Galeopterus_variegates	*1799*	*Audebert*
Capricornis_sumatraensis	*1799*	*Bechstein*
Ornithorhynchus_anatinus	*1799*	*Shaw*
Bandicota_indica	*1800*	*Bechstein*
Rhinolophus_hipposideros	*1800*	*Bechstein*
Chaerephon_plicatus	*1800*	*Buchannan*
Nycticebus_bengalensis	*1800*	*Lac_p• de*
Hipposideros_speoris	*1800*	*Schneider*
Dasyurus_viverrinus	*1800*	*Shaw*
Eumops_auripendulus	*1800*	*Shaw*
Geomys_bursarius	*1800*	*Shaw*
Macroscelides_proboscideus	*1800*	*Shaw*
Otaria_flavescens	*1800*	*Shaw*
Vombatus_ursinus	*1800*	*Shaw*
Vulpes_bengalensis	*1800*	*Shaw*
Gerbillus_gerbillus	*1801*	*Olivier*
Platanista_gangetica	*1801*	*Roxburgh*
Arvicola_scherman	*1801*	*Shaw*
Glaucomys_sabrinus	*1801*	*Shaw*
Trichys_fasciculata	*1801*	*Shaw*
Acomys_cahirinus	*1803*	*ó. Geoffroy Saint-Hilaire*
Alcelaphus_caama	*1803*	*ó. Geoffroy Saint-Hilaire*
Antechinus_minimus	*1803*	*ó. Geoffroy Saint-Hilaire*

Arvicanthis_niloticus	*1803*	*ó. Geoffroy Saint-Hilaire*
Dasyprocta_cristata	*1803*	*ó. Geoffroy Saint-Hilaire*
Hippotragus_equinus	*1803*	*ó. Geoffroy Saint-Hilaire*
Manis_crassicaudata	*1803*	*ó. Geoffroy Saint-Hilaire*
Metachirus_nudicaudatus	*1803*	*ó. Geoffroy Saint-Hilaire*
Mimon_crenulatum	*1803*	*ó. Geoffroy Saint-Hilaire*
Proechimys_guyannensis	*1803*	*ó. Geoffroy Saint-Hilaire*
Pteropus_rufus	*1803*	*ó. Geoffroy Saint-Hilaire*
Puma_yagouaroundi	*1803*	*ó. Geoffroy Saint-Hilaire*
Saguinus_niger	*1803*	*ó. Geoffroy Saint-Hilaire*
Sciurillus_pusillus	*1803*	*ó. Geoffroy Saint-Hilaire*
Scotophilus_borbonicus	*1803*	*ó. Geoffroy Saint-Hilaire*
Spilocuscus_maculatus	*1803*	*ó. Geoffroy Saint-Hilaire*
Viverricula_indica	*1803*	*ó. Geoffroy Saint-Hilaire*
Xerus_erythropus	*1803*	*Desmarest*
Gerbillus_pyramidum	*1803*	*I. Geoffroy*
Hydromys_chrysogaster	*1804*	*ó. Geoffroy Saint-Hilaire*
Perameles_nasuta	*1804*	*ó. Geoffroy Saint-Hilaire*
Cabassous_tatouay	*1804*	*Desmarest*
Chaetophractus_villosus	*1804*	*Desmarest*
Dasypus_hybridus	*1804*	*Desmarest*
Lutreolina_crassicaudata	*1804*	*Desmarest*
Thylamys_pusillus	*1804*	*Desmarest*
Tolypeutes_matacus	*1804*	*Desmarest*
Wallabia_bicolor	*1804*	*Desmarest*
Zaedyus_pichiy	*1804*	*Desmarest*
Mormopterus_acetabulosus	*1804*	*Hermann*
Blastocerus_dichotomus	*1804*	*Illiger*
Balaenoptera_acutorostrata	*1804*	*Lac_p• de*
Cephalorhynchus_commersonii	*1804*	*Lac_p• de*
Lissodelphis_peronii	*1804*	*Lac_p• de*

Bos_frontalis	*1804*	*Lambert*
Ovis_canadensis	*1804*	*Shaw*
Mesoplodon_bidens	*1804*	*Sowerby*
Molossus_rufus	*1805*	*ó. Geoffroy Saint-Hilaire*
Nyctinomops_laticaudatus	*1805*	*ó. Geoffroy Saint-Hilaire*
Ateles_belzebuth	*1806*	*ó. Geoffroy Saint-Hilaire*
Brachyteles_arachnoides	*1806*	*ó. Geoffroy Saint-Hilaire*
Myotis_albescens	*1806*	*ó. Geoffroy Saint-Hilaire*
Myotis_emarginatus	*1806*	*ó. Geoffroy Saint-Hilaire*
Myotis_ruber	*1806*	*ó. Geoffroy Saint-Hilaire*
Nyctophilus_timoriensis	*1806*	*ó. Geoffroy Saint-Hilaire*
Galago_demidoff	*1806*	*G. Fischer*
Martes_americana	*1806*	*Turton*
Mandrillus_leucophaeus	*1807*	*F. Cuvier*
Tatera_indica	*1807*	*Hardwicke*
Callicebus_moloch	*1807*	*Hoffmannsegg*
Callicebus_torquatus	*1807*	*Hoffmannsegg*
Chiropotes_satanas	*1807*	*Hoffmannsegg*
Hipposideros_crumeniferus	*1807*	*Lesueur & Petit*
Lagostrophus_fasciatus	*1807*	*P_ron & Lesueur*
Thylacinus_cynocephalus	*1808*	*Harris*
Ateles_marginatus	*1809*	*ó. Geoffroy Saint-Hilaire*
Cebus_nigritus	*1809*	*Goldfuss*
Globicephala_melas	*1809*	*Traill*
Desmodus_rotundus	*1810*	*ó. Geoffroy Saint-Hilaire*
Dobsonia_peronii	*1810*	*ó. Geoffroy Saint-Hilaire*
Lavia_frons	*1810*	*ó. Geoffroy Saint-Hilaire*
Macroglossus_minimus	*1810*	*ó. Geoffroy Saint-Hilaire*
Megaderma_lyra	*1810*	*ó. Geoffroy Saint-Hilaire*
Phyllostomus_elongatus	*1810*	*ó. Geoffroy Saint-Hilaire*
Platyrrhinus_lineatus	*1810*	*ó. Geoffroy Saint-Hilaire*

Pteropus_griseus	*1810*	*ó. Geoffroy Saint-Hilaire*
Rousettus_aegyptiacus	*1810*	*ó. Geoffroy Saint-Hilaire*
Rousettus_amplexicaudatus	*1810*	*ó. Geoffroy Saint-Hilaire*
Sturnira_lilium	*1810*	*ó. Geoffroy Saint-Hilaire*
Ictonyx_striatus	*1810*	*Perry*
Galemys_pyrenaicus	*1811*	*ó. Geoffroy Saint-Hilaire*
Aotus_azarae	*1811*	*Humboldt*
Aotus_trivirgatus	*1811*	*Humboldt*
Callicebus_lugens	*1811*	*Humboldt*
Chiropotes_chiropotes	*1811*	*Humboldt*
Sciurus_granatensis	*1811*	*Humboldt*
Bradypus_torquatus	*1811*	*Illiger*
Apodemus_uralensis	*1811*	*Pallas*
Crocidura_gmelini	*1811*	*Pallas*
Crocidura_suaveolens	*1811*	*Pallas*
Cuon_alpinus	*1811*	*Pallas*
Marmota_camtschatica	*1811*	*Pallas*
Mustela_altaica	*1811*	*Pallas*
Ochotona_hyperborea	*1811*	*Pallas*
Phoca_largha	*1811*	*Pallas*
Raphicerus_campestris	*1811*	*Thunberg*
Raphicerus_melanotis	*1811*	*Thunberg*
Callicebus_personatus	*1812*	*ó. Geoffroy Saint-Hilaire*
Callithrix_aurita	*1812*	*ó. Geoffroy Saint-Hilaire*
Callithrix_geoffroyi	*1812*	*ó. Geoffroy Saint-Hilaire*
Callithrix_humeralifera	*1812*	*ó. Geoffroy Saint-Hilaire*
Callithrix_melanura	*1812*	*ó. Geoffroy Saint-Hilaire*
Callithrix_penicillata	*1812*	*ó. Geoffroy Saint-Hilaire*
Cheirogaleus_major	*1812*	*ó. Geoffroy Saint-Hilaire*
Cheirogaleus_medius	*1812*	*ó. Geoffroy Saint-Hilaire*
Eulemur_collaris	*1812*	*ó. Geoffroy Saint-Hilaire*

Lagothrix_cana	*1812*	*ó. Geoffroy Saint-Hilaire*
Macaca_radiata	*1812*	*ó. Geoffroy Saint-Hilaire*
Otolemur_crassicaudatus	*1812*	*ó. Geoffroy Saint-Hilaire*
Pithecia_monachus	*1812*	*ó. Geoffroy Saint-Hilaire*
Saguinus_labiatus	*1812*	*ó. Geoffroy Saint-Hilaire*
Trachypithecus_auratus	*1812*	*ó. Geoffroy Saint-Hilaire*
Varecia_rubra	*1812*	*ó. Geoffroy Saint-Hilaire*
Grampus_griseus	*1812*	*G. Cuvier*
Alouatta_caraya	*1812*	*Humboldt*
Alouatta_guariba	*1812*	*Humboldt*
Ateles_chamek	*1812*	*Humboldt*
Cacajao_melanocephalus	*1812*	*Humboldt*
Cebus_albifrons	*1812*	*Humboldt*
Lagothrix_lagotricha	*1812*	*Humboldt*
Oreonax_flavicauda	*1812*	*Humboldt*
Aepyceros_melampus	*1812*	*Lichtenstein*
Asellia_tridens	*1813*	*ó. Geoffroy Saint-Hilaire*
Hipposideros_commersoni	*1813*	*ó. Geoffroy Saint-Hilaire*
Hipposideros_diadema	*1813*	*ó. Geoffroy Saint-Hilaire*
Nycteris_javanica	*1813*	*ó. Geoffroy Saint-Hilaire*
Calomys_laucha	*1814*	*Fischer*
Dicerorhinus_sumatrensis	*1814*	*G. Fischer*
Euryzygomatomys_spinosus	*1814*	*G. Fischer*
Lycalopex_gymnocercus	*1814*	*G. Fischer*
Mazama_gouazoubira	*1814*	*G. Fischer*
Oryzomys_angouya	*1814*	*G. Fischer*
Oryzomys_megacephalus	*1814*	*G. Fischer*
Oxymycterus_rufus	*1814*	*G. Fischer*
Reithrodon_auritus	*1814*	*G. Fischer*
Tadarida_teniotis	*1814*	*Rafinesque*
Cephalophus_silvicultor	*1815*	*Afzelius*

Redunca_fulvorufula	*1815*	*Afzelius*
Aonyx_cinerea	*1815*	*Illiger*
Chrysocyon_brachyurus	*1815*	*Illiger*
Manis_gigantea	*1815*	*Illiger*
Microtus_xanthognathus	*1815*	*Leach*
Antilocapra_americana	*1815*	*Ord*
Cynomys_ludovicianus	*1815*	*Ord*
Microtus_pennsylvanicus	*1815*	*Ord*
Neotoma_cinerea	*1815*	*Ord*
Spermophilus_columbianus	*1815*	*Ord*
Heteromys_anomalus	*1815*	*Thompson*
Leopardus_pajeros	*1816*	*Desmarest*
Addax_nasomaculatus	*1816*	*H. Blainville*
Madoqua_saltiana	*1816*	*H. Blainville*
Oreamnos_americanus	*1816*	*H. Blainville*
Tetracerus_quadricornis	*1816*	*H. Blainville*
Neophoca_cinerea	*1816*	*P_ron*
Ceratotherium_simum	*1817*	*Burchell*
Dactylomys_dactylinus	*1817*	*Desmarest*
Lagostomus_maximus	*1817*	*Desmarest*
Macropus_eugenii	*1817*	*Desmarest*
Macropus_fuliginosus	*1817*	*Desmarest*
Macropus_rufogriseus	*1817*	*Desmarest*
Makalata_didelphoides	*1817*	*Desmarest*
Mesomys_hispidus	*1817*	*Desmarest*
Trinomys_setosus	*1817*	*Desmarest*
Phascolarctos_cinereus	*1817*	*Goldfuss*
Inia_geoffrensis	*1817*	*H. Blainville*
Mesoplodon_densirostris	*1817*	*H. Blainville*
Miniopterus_schreibersii	*1817*	*Kuhl*
Myotis_bechsteinii	*1817*	*Kuhl*

Myotis_daubentonii	*1817*	*Kuhl*
Myotis_mystacinus	*1817*	*Kuhl*
Myotis_nattereri	*1817*	*Kuhl*
Nyctalus_leisleri	*1817*	*Kuhl*
Pipistrellus_kuhlii	*1817*	*Kuhl*
Aplodontia_rufa	*1817*	*Rafinesque*
Geomys_pinetis	*1817*	*Rafinesque*
Odocoileus_hemionus	*1817*	*Rafinesque*
Anoura_caudifer	*1818*	*ó. Geoffroy Saint-Hilaire*
Herpestes_edwardsi	*1818*	*ó. Geoffroy Saint-Hilaire*
Herpestes_javanicus	*1818*	*ó. Geoffroy Saint-Hilaire*
Nycteris_thebaica	*1818*	*ó. Geoffroy Saint-Hilaire*
Tadarida_aegyptiaca	*1818*	*ó. Geoffroy Saint-Hilaire*
Taphozous_mauritianus	*1818*	*ó. Geoffroy Saint-Hilaire*
Taphozous_perforatus	*1818*	*ó. Geoffroy Saint-Hilaire*
Cercartetus_nanus	*1818*	*Desmarest*
Mustela_africana	*1818*	*Desmarest*
Noctilio_albiventris	*1818*	*Desmarest*
Eubalaena_japonica	*1818*	*Lac_p• de*
Sphiggurus_insidiosus	*1818*	*Lichtenstein*
Artibeus_lituratus	*1818*	*Olfers*
Caluromys_lanatus	*1818*	*Olfers*
Chaetomys_subspinosus	*1818*	*Olfers*
Coendou_nycthemera	*1818*	*Olfers*
Lontra_longicaudis	*1818*	*Olfers*
Oligoryzomys_nigripes	*1818*	*Olfers*
Philander_frenatus	*1818*	*Olfers*
Sciurus_spadiceus	*1818*	*Olfers*
Thylamys_macrurus	*1818*	*Olfers*
Neotoma_floridana	*1818*	*Ord*
Sciurus_griseus	*1818*	*Ord*

Nycticeius_humeralis	*1818*	*Rafinesque*
Peromyscus_leucopus	*1818*	*Rafinesque*
Eptesicus_brasiliensis	*1819*	*Desmarest*
Holochilus_brasiliensis	*1819*	*Desmarest*
Tapirus_indicus	*1819*	*Desmarest*
Lepus_arcticus	*1819*	*Ross*
Diclidurus_albus	*1819*	*Wied-Neuwied*
Mydaus_javanensis	*1820*	*Desmarest*
Myopterus_daubentonii	*1820*	*Desmarest*
Papio_papio	*1820*	*Desmarest*
Rousettus_leschenaultii	*1820*	*Desmarest*
Stenoderma_rufum	*1820*	*Desmarest*
Tupaia_glis	*1820*	*Diard*
Kerodon_rupestris	*1820*	*F. Cuvier*
Hydrurga_leptonyx	*1820*	*H. Blainville*
Ateles_geoffroyi	*1820*	*Kuhl*
Brachyteles_hypoxanthus	*1820*	*Kuhl*
Castor_canadensis	*1820*	*Kuhl*
Funisciurus_congicus	*1820*	*Kuhl*
Leontopithecus_chrysomelas	*1820*	*Kuhl*
Trinomys_myosuros	*1820*	*Lichtenstein*
Lycaon_pictus	*1820*	*Temminck*
Hyaena_brunnea	*1820*	*Thunberg*
Callicebus_melanochir	*1820*	*Wied-Neuwied*
Rhynchonycteris_naso	*1820*	*Wied-Neuwied*
Chlorocebus_pygerythrus	*1821*	*F. Cuvier*
Hylobates_agilis	*1821*	*F. Cuvier*
Lariscus_insignis	*1821*	*F. Cuvier*
Neofelis_nebulosa	*1821*	*Griffith*
Aonyx_capensis	*1821*	*H.R. Schinz*
Artibeus_obscurus	*1821*	*H.R. Schinz*

Carollia_brevicauda	*1821*	*H.R. Schinz*
Eumops_perotis	*1821*	*H.R. Schinz*
Leopardus_wiedii	*1821*	*H.R. Schinz*
Macrophyllum_macrophyllum	*1821*	*H.R. Schinz*
Myotis_nigricans	*1821*	*H.R. Schinz*
Oxymycterus_dasytrichus	*1821*	*H.R. Schinz*
Prionodon_linsang	*1821*	*Hardwicke*
Melogale_orientalis	*1821*	*Horsfield*
Tarsius_bancanus	*1821*	*Horsfield*
Artibeus_jamaicensis	*1821*	*Leach*
Monophyllus_redmani	*1821*	*Leach*
Mormoops_blainvillei	*1821*	*Leach*
Nyctophilus_geoffroyi	*1821*	*Leach*
Scotophilus_kuhlii	*1821*	*Leach*
Spermophilus_tridecemlineatus	*1821*	*Mitchill*
Tursiops_truncatus	*1821*	*Montagu*
Arctictis_binturong	*1821*	*Raffles*
Helarctos_malayanus	*1821*	*Raffles*
Macaca_fascicularis	*1821*	*Raffles*
Presbytis_melalophos	*1821*	*Raffles*
Ratufa_affinis	*1821*	*Raffles*
Rhizomys_sumatrensis	*1821*	*Raffles*
Symphalangus_syndactylus	*1821*	*Raffles*
Trachypithecus_cristatus	*1821*	*Raffles*
Tragulus_kanchil	*1821*	*Raffles*
Tupaia_tana	*1821*	*Raffles*
Manis_tricuspis	*1821*	*Rafinesque*
Wiedomys_pyrrhorhinos	*1821*	*Wied-Neuwied*
Alces_americanus	*1822*	*Clinton*
Bettongia_gaimardi	*1822*	*Desmarest*
Callosciurus_prevostii	*1822*	*Desmarest*

Graphiurus_murinus	*1822*	*Desmarest*
Macaca_nigra	*1822*	*Desmarest*
Macropus_rufus	*1822*	*Desmarest*
Manis_javanica	*1822*	*Desmarest*
Mustela_nudipes	*1822*	*Desmarest*
Otocyon_megalotis	*1822*	*Desmarest*
Presbytis_comata	*1822*	*Desmarest*
Pteropus_mariannus	*1822*	*Desmarest*
Rhinoceros_sondaicus	*1822*	*Desmarest*
Rusa_marianna	*1822*	*Desmarest*
Spilocuscus_papuensis	*1822*	*Desmarest*
Thylogale_billardierii	*1822*	*Desmarest*
Eubalaena_australis	*1822*	*Desmoulins*
Potamochoerus_larvatus	*1822*	*F. Cuvier*
Tragulus_napu	*1822*	*F. Cuvier*
Rusa_timorensis	*1822*	*H. Blainville*
Hylopetes_lepidus	*1822*	*Horsfield*
Petinomys_genibarbis	*1822*	*Horsfield*
Tupaia_javanica	*1822*	*Horsfield*
Echinosorex_gymnura	*1822*	*Raffles*
Spermophilus_franklinii	*1822*	*Sabine*
Spermophilus_richardsonii	*1822*	*Sabine*
Suncus_etruscus	*1822*	*Savi*
Talpa_caeca	*1822*	*Savi*
Capromys_pilorides	*1822*	*Say*
Cercopithecus_mitis	*1822*	*Wolf*
Bos_javanicus	*1823*	*d'Alton*
Hystrix_javanica	*1823*	*F. Cuvier*
Lepus_nigricollis	*1823*	*F. Cuvier*
Lepus_saxatilis	*1823*	*F. Cuvier*
Sphiggurus_spinosus	*1823*	*F. Cuvier*

Sphiggurus_villosus	*1823*	*F. Cuvier*
Rucervus_duvaucelii	*1823*	*G. Cuvier*
Ursus_thibetanus	*1823*	*G. Cuvier*
Ziphius_cavirostris	*1823*	*G. Cuvier*
Callosciurus_finlaysonii	*1823*	*Horsfield*
Callosciurus_nigrovittatus	*1823*	*Horsfield*
Hipposideros_larvatus	*1823*	*Horsfield*
Rhinolophus_affinis	*1823*	*Horsfield*
Allactaga_tetradactyla	*1823*	*Lichtenstein*
Dasyprocta_azarae	*1823*	*Lichtenstein*
Diplomesodon_pulchellum	*1823*	*Lichtenstein*
Meriones_libycus	*1823*	*Lichtenstein*
Pygeretmus_platyurus	*1823*	*Lichtenstein*
Rhinolophus_capensis	*1823*	*Lichtenstein*
Rhombomys_opimus	*1823*	*Lichtenstein*
Spermophilopsis_leptodactylus	*1823*	*Lichtenstein*
Spermophilus_fulvus	*1823*	*Lichtenstein*
Stylodipus_telum	*1823*	*Lichtenstein*
Leontopithecus_chrysopygus	*1823*	*Mikan*
Blarina_brevicauda	*1823*	*Say*
Canis_latrans	*1823*	*Say*
Cryptotis_parva	*1823*	*Say*
Spermophilus_lateralis	*1823*	*Say*
Tamias_quadrivittatus	*1823*	*Say*
Vulpes_velox	*1823*	*Say*
Aotus_vociferans	*1823*	*Spix*
Callicebus_cinerascens	*1823*	*Spix*
Callicebus_cupreus	*1823*	*Spix*
Callicebus_nigrifrons	*1823*	*Spix*
Callithrix_pygmaea	*1823*	*Spix*
Cebus_libidinosus	*1823*	*Spix*

Chiropotes_israelita	*1823*	*Spix*
Diphylla_ecaudata	*1823*	*Spix*
Promops_nasutus	*1823*	*Spix*
Saguinus_bicolor	*1823*	*Spix*
Saguinus_fuscicollis	*1823*	*Spix*
Saguinus_mystax	*1823*	*Spix*
Saguinus_nigricollis	*1823*	*Spix*
Thyroptera_tricolor	*1823*	*Spix*
Tonatia_bidens	*1823*	*Spix*
Trachops_cirrhosus	*1823*	*Spix*
Dicrostonyx_groenlandicus	*1823*	*Traill*
Connochaetes_taurinus	*1824*	*Burchell*
Damaliscus_lunatus	*1824*	*Burchell*
Felis_nigripes	*1824*	*Burchell*
Cheiromeles_torquatus	*1824*	*Horsfield*
Hypsugo_imbricatus	*1824*	*Horsfield*
Kerivoula_hardwickii	*1824*	*Horsfield*
Myotis_adversus	*1824*	*Horsfield*
Sundasciurus_tenuis	*1824*	*Horsfield*
Histiotus_velatus	*1824*	*I. Geoffroy*
Myotis_levis	*1824*	*I. Geoffroy*
Tadarida_brasiliensis	*1824*	*I. Geoffroy*
Equus_burchellii	*1824*	*J.E. Gray*
Mysateles_prehensilis	*1824*	*Poeppig*
Bettongia_lesueur	*1824*	*Quoy & Gaimard*
Lagenorhynchus_cruciger	*1824*	*Quoy & Gaimard*
Perameles_bougainville	*1824*	*Quoy & Gaimard*
Ailurops_ursinus	*1824*	*Temminck*
Myotis_dasycneme	*1825*	*Boie*
Ailurus_fulgens	*1825*	*F. Cuvier*
Arctonyx_collaris	*1825*	*F. Cuvier*

Capra_nubiana	*1825*	*F. Cuvier*
Crossarchus_obscurus	*1825*	*G. Cuvier*
Tremarctos_ornatus	*1825*	*G. Cuvier*
Bradypus_variegatus	*1825*	*H.R. Schinz*
Macaca_maura	*1825*	*H.R. Schinz*
Vulpes_rueppellii	*1825*	*H.R. Schinz*
Naemorhedus_goral	*1825*	*Hardwicke*
Taphozous_longimanus	*1825*	*Hardwicke*
Chlamyphorus_truncatus	*1825*	*Harlan*
Lemmus_trimucronatus	*1825*	*Kerr*
Pipistrellus_pygmaeus	*1825*	*Leach*
Allactaga_elater	*1825*	*Lichtenstein*
Spermophilus_parryii	*1825*	*Richardson*
Sigmodon_hispidus	*1825*	*Say & Ord*
Chironax_melanocephalus	*1825*	*Temminck*
Cynopterus_titthaecheilus	*1825*	*Temminck*
Pteropus_dasymallus	*1825*	*Temminck*
Pteropus_personatus	*1825*	*Temminck*
Pteropus_poliocephalus	*1825*	*Temminck*
Pantholops_hodgsonii	*1826*	*Abel*
Hemitragus_jemlahicus	*1826*	*C.H. Smith*
Acomys_dimidiatus	*1826*	*Cretzschmar*
Barbastella_leucomelas	*1826*	*Cretzschmar*
Gerbilliscus_robustus	*1826*	*Cretzschmar*
Vulpes_pallida	*1826*	*Cretzschmar*
Ctenomys_brasiliensis	*1826*	*H. Blainville*
Nomascus_concolor	*1826*	*Harlan*
Lutrogale_perspicillata	*1826*	*I. Geoffroy*
Cryptomys_hottentotus	*1826*	*Lesson*
Leptonychotes_weddellii	*1826*	*Lesson*
Lasiurus_blossevillii	*1826*	*Lesson & Garnot*

Cebus_xanthosternos	*1826*	*Wied-Neuwied*
Didelphis_aurita	*1826*	*Wied-Neuwied*
Dendrohyrax_arboreus	*1827*	*A. Smith*
Dendromus_mesomelas	*1827*	*Brants*
Nectomys_squamipes	*1827*	*Brants*
Otomys_irroratus	*1827*	*Brants*
Bubalus_depressicornis	*1827*	*C.H. Smith*
Paguma_larvata	*1827*	*C.H. Smith*
Philantomba_maxwellii	*1827*	*C.H. Smith*
Oryx_dammah	*1827*	*Cretzschmar*
Crocidura_flavescens	*1827*	*I. Geoffroy*
Crocidura_religiosa	*1827*	*I. Geoffroy*
Petrogale_penicillata	*1827*	*J.E. Gray*
Corynorhinus_rafinesquii	*1827*	*Lesson*
Crocidura_olivieri	*1827*	*Lesson*
Dorcopsis_muelleri	*1827*	*Lesson*
Mustela_eversmanii	*1827*	*Lesson*
Papio_anubis	*1827*	*Lesson*
Pongo_abelii	*1827*	*Lesson*
Bassariscus_astutus	*1827*	*Lichtenstein*
Gazella_arabica	*1827*	*Lichtenstein*
Cynomops_abrasus	*1827*	*Temminck*
Lynx_pardinus	*1827*	*Temminck*
Petaurista_leucogenys	*1827*	*Temminck*
Profelis_aurata	*1827*	*Temminck*
Thryonomys_swinderianus	*1827*	*Temminck*
Catopuma_temminckii	*1827*	*Vigors & Horsfield*
Prionailurus_planiceps	*1827*	*Vigors & Horsfield*
Microcebus_rufus	*1828*	*ó. Geoffroy Saint-Hilaire*
Nanger_soemmerringii	*1828*	*Cretzschmar*
Psammomys_obesus	*1828*	*Cretzschmar*

Rhinolophus_clivosus	*1828*	*Cretzschmar*
Xerus_rutilus	*1828*	*Cretzschmar*
Furipterus_horrens	*1828*	*F. Cuvier*
Steno_bredanensis	*1828*	*G. Cuvier*
Cephalorhynchus_heavisidii	*1828*	*J.E. Gray*
Delphinus_capensis	*1828*	*J.E. Gray*
Lagenorhynchus_acutus	*1828*	*J.E. Gray*
Lagenorhynchus_obscurus	*1828*	*J.E. Gray*
Stenella_longirostris	*1828*	*J.E. Gray*
Arctocephalus_forsteri	*1828*	*Lesson*
Balaenoptera_borealis	*1828*	*Lesson*
Thylogale_thetis	*1828*	*Lesson*
Zalophus_californianus	*1828*	*Lesson*
Sorex_coronatus	*1828*	*Millet*
Ochotona_princeps	*1828*	*Richardson*
Sorex_palustris	*1828*	*Richardson*
Synaptomys_borealis	*1828*	*Richardson*
Thomomys_talpoides	*1828*	*Richardson*
Amblysomus_hottentotus	*1829*	*A. Smith*
Graphiurus_ocularis	*1829*	*A. Smith*
Neoromicia_capensis	*1829*	*A. Smith*
Marmota_caligata	*1829*	*Eschscholtz*
Ovis_nivicola	*1829*	*Eschscholtz*
Myotomys_unisulcatus	*1829*	*F. Cuvier*
Sciurus_aureogaster	*1829*	*F. Cuvier*
Pipistrellus_rueppellii	*1829*	*Fischer*
Atilax_paludinosus	*1829*	*G. Cuvier*
Cynictis_penicillata	*1829*	*G. Cuvier*
Ichneumia_albicauda	*1829*	*G. Cuvier*
Neophocaena_phocaenoides	*1829*	*G. Cuvier*
Stenella_frontalis	*1829*	*G. Cuvier*

Akodon_azarae	*1829*	*G. Fischer*
Plecotus_austriacus	*1829*	*G. Fischer*
Ateles_hybridus	*1829*	*I. Geoffroy*
Centronycteris_maximiliani	*1829*	*J. Fischer*
Echymipera_kalubu	*1829*	*J. Fischer*
Geocapromys_columbianus	*1829*	*J. Fischer*
Megalomys_desmarestii	*1829*	*J. Fischer*
Trachypithecus_johnii	*1829*	*J. Fischer*
Pteropus_pselaphon	*1829*	*Lay*
Chinchilla_chinchilla	*1829*	*Lichtenstein*
Conilurus_albipes	*1829*	*Lichtenstein*
Thaptomys_nigrita	*1829*	*Lichtenstein*
Chinchilla_lanigera	*1829*	*Molina*
Spermophilus_beecheyi	*1829*	*Richardson*
Thomomys_bulbivorus	*1829*	*Richardson*
Thomomys_umbrinus	*1829*	*Richardson*
Tapirus_pinchaque	*1829*	*Roulin*
Paraxerus_poensis	*1830*	*A. Smith*
Chaerephon_pumilus	*1830*	*Cretzschmar*
Scotophilus_leucogaster	*1830*	*Cretzschmar*
Taphozous_nudiventris	*1830*	*Cretzschmar*
Geocapromys_brownii	*1830*	*J. Fischer*
Genetta_maculata	*1830*	*J.E. Gray*
Gerbilliscus_afra	*1830*	*J.E. Gray*
Hemiechinus_collaris	*1830*	*J.E. Gray*
Nandinia_binotata	*1830*	*J.E. Gray*
Nesokia_indica	*1830*	*J.E. Gray*
Microtus_pinetorum	*1830*	*Le Conte*
Ctenomys_torquatus	*1830*	*Lichtenstein*
Kunsia_tomentosus	*1830*	*Lichtenstein*
Dobsonia_moluccensis	*1830*	*Quoy & Gaimard*

Pteropus_tonganus	*1830*	*Quoy & Gaimard*
Setonix_brachyurus	*1830*	*Quoy & Gaimard*
Calomys_callosus	*1830*	*Rengger*
Proechimys_longicaudatus	*1830*	*Rengger*
Gazella_bennettii	*1830*	*Sykes*
Myodes_gapperi	*1830*	*Vigors*
Lepus_callotis	*1830*	*Wagler*
Atelerix_frontalis	*1831*	*A. Smith*
Elephantulus_rupestris	*1831*	*A. Smith*
Petromus_typicus	*1831*	*A. Smith*
Acerodon_jubatus	*1831*	*Eschscholtz*
Rhinopoma_hardwickii	*1831*	*G.R. Gray*
Capricornis_thar	*1831*	*Hodgson*
Scotophilus_heathii	*1831*	*Horsfield*
Macaca_arctoides	*1831*	*I. Geoffroy*
Melogale_personata	*1831*	*I. Geoffroy*
Prionailurus_rubiginosus	*1831*	*I. Geoffroy*
Sundasciurus_hippurus	*1831*	*I. Geoffroy*
Ariteus_flavescens	*1831*	*J.E. Gray*
Melogale_moschata	*1831*	*J.E. Gray*
Rhizomys_sinensis	*1831*	*J.E. Gray*
Lasionycteris_noctivagans	*1831*	*La Conte*
Myotis_lucifugus	*1831*	*Le Conte*
Mustela_frenata	*1831*	*Lichtenstein*
Cercopithecus_albogularis	*1831*	*Sykes*
Cavia_fulgida	*1831*	*Wagler*
Dasyprocta_prymnolopha	*1831*	*Wagler*
Galea_spixii	*1831*	*Wagler*
Mus_platythrix	*1832*	*Bennett*
Oligoryzomys_longicaudatus	*1832*	*Bennett*
Propithecus_diadema	*1832*	*Bennett*

Vandeleuria_oleracea	*1832*	*Bennett*
Sus_verrucosus	*1832*	*Boie*
Paraechinus_aethiopicus	*1832*	*Ehrenberg*
Pipistrellus_subflavus	*1832*	*F. Cuvier*
Ochrotomys_nuttalli	*1832*	*Harlan*
Lepus_habessinicus	*1832*	*Hemprich & Ehrenberg*
Genetta_pardina	*1832*	*I. Geoffroy*
Pronolagus_crassicaudatus	*1832*	*I. Geoffroy*
Arctogalidia_trivirgata	*1832*	*J.E. Gray*
Lepus_sinensis	*1832*	*J.E. Gray*
Pseudomys_australis	*1832*	*J.E. Gray*
Viverra_tangalunga	*1832*	*J.E. Gray*
Conepatus_leuconotus	*1832*	*Lichtenstein*
Mephitis_macroura	*1832*	*Lichtenstein*
Spermophilus_musicus	*1832*	*M_n_tries*
Galea_musteloides	*1832*	*Meyen*
Grammomys_dolichurus	*1832*	*Smuts*
Manis_temminckii	*1832*	*Smuts*
Myosorex_varius	*1832*	*Smuts*
Myotis_tricolor	*1832*	*Temminck*
Dasyprocta_fuliginosa	*1832*	*Wagler*
Prolagus_sardus	*1832*	*Wagner*
Chrysospalax_villosus	*1833*	*A. Smith*
Eptesicus_hottentotus	*1833*	*A. Smith*
Mops_condylurus	*1833*	*A. Smith*
Scotophilus_dinganii	*1833*	*A. Smith*
Vulpes_chama	*1833*	*A. Smith*
Cercopithecus_pogonias	*1833*	*Bennett*
Cryptoprocta_ferox	*1833*	*Bennett*
Prionailurus_viverrinus	*1833*	*Bennett*
Spermophilus_spilosoma	*1833*	*Bennett*

Solenodon_paradoxus	*1833*	*Brandt*
Elephantulus_rozeti	*1833*	*Duvernoy*
Tursiops_aduncus	*1833*	*Ehrenberg*
Funisciurus_pyrropus	*1833*	*F. Cuvier*
Ictonyx_libyca	*1833*	*Hemprich & Ehrenberg*
Mustela_subpalmata	*1833*	*Hemprich & Ehrenberg*
Pseudois_nayaur	*1833*	*Hodgson*
Callosciurus_pygerythrus	*1833*	*I. Geoffroy*
Microcavia_australis	*1833*	*I. Geoffroy & de Orbigny*
Brachyphylla_cavernarum	*1833*	*J.E. Gray*
Akodon_boliviensis	*1833*	*Meyen*
Lagidium_peruanum	*1833*	*Meyen*
Stenella_coeruleoalba	*1833*	*Meyen*
Kobus_ellipsiprymnus	*1833*	*Ogilbyi*
Cephalophus_natalensis	*1834*	*A. Smith*
Dendromus_melanotis	*1834*	*A. Smith*
Desmodillus_auricularis	*1834*	*A. Smith*
Elephantulus_brachyrhynchus	*1834*	*A. Smith*
Elephantulus_intufi	*1834*	*A. Smith*
Galago_moholi	*1834*	*A. Smith*
Malacothrix_typica	*1834*	*A. Smith*
Mastomys_coucha	*1834*	*A. Smith*
Mastomys_natalensis	*1834*	*A. Smith*
Micaelamys_namaquensis	*1834*	*A. Smith*
Miniopterus_natalensis	*1834*	*A. Smith*
Mus_minutoides	*1834*	*A. Smith*
Myomyscus_verreauxii	*1834*	*A. Smith*
Myotis_goudoti	*1834*	*A. Smith*
Mystromys_albicaudatus	*1834*	*A. Smith*
Parotomys_brantsii	*1834*	*A. Smith*
Pronolagus_rupestris	*1834*	*A. Smith*

Macropus_parryi	*1834*	*Bennett*
Hippocamelus_antisensis	*1834*	*d'Orbigny*
Bunopithecus_hoolock	*1834*	*Harlan*
Colobus_vellerosus	*1834*	*I. Geoffroy*
Crocidura_viaria	*1834*	*I. Geoffroy*
Saimiri_boliviensis	*1834*	*I. Geoffroy & de Blainville*
Nyctereutes_procyonoides	*1834*	*J.E. Gray*
Rhinolophus_megaphyllus	*1834*	*J.E. Gray*
Apodemus_flavicollis	*1834*	*Melchior*
Hipposideros_bicolor	*1834*	*Temminck*
Rhinolophus_cornutus	*1834*	*Temminck*
Rhinolophus_luctus	*1834*	*Temminck*
Rhinolophus_pusillus	*1834*	*Temminck*
Rhinolophus_trifoliatus	*1834*	*Temminck*
Ctenomys_magellanicus	*1835*	*Bennett*
Herpestes_vitticollis	*1835*	*Bennett*
Oligoryzomys_magellanicus	*1835*	*Bennett*
Spermophilus_xanthoprymnus	*1835*	*Bennett*
Galea_flavidens	*1835*	*Brandt*
Eupleres_goudotii	*1835*	*Doy• re*
Hipposideros_armiger	*1835*	*Hodgson*
Mustela_kathiah	*1835*	*Hodgson*
Myotis_formosus	*1835*	*Hodgson*
Bandicota_bengalensis	*1835*	*J.E. Gray*
Hydrictis_maculicollis	*1835*	*Lichtenstein*
Epomophorus_gambianus	*1835*	*Ogilby*
Heliosciurus_gambianus	*1835*	*Ogilby*
Mungos_gambianus	*1835*	*Ogilby*
Trichosurus_caninus	*1835*	*Ogilby*
Histiotus_macrotus	*1835*	*Poeppig*
Lasiurus_varius	*1835*	*Poeppig*

Capra_walie	*1835*	*Rªppell*
Colobus_guereza	*1835*	*Rªppell*
Galerella_sanguinea	*1835*	*Rªppell*
Oryx_beisa	*1835*	*Rªppell*
Tachyoryctes_splendens	*1835*	*Rªppell*
Theropithecus_gelada	*1835*	*Rªppell*
Aselliscus_tricuspidatus	*1835*	*Temminck*
Rhinolophus_euryotis	*1835*	*Temminck*
Rhinolophus_rouxii	*1835*	*Temminck*
Gerbilliscus_brantsii	*1836*	*A. Smith*
Gerbillurus_paeba	*1836*	*A. Smith*
Paraxerus_cepapi	*1836*	*A. Smith*
Paraechinus_hypomelas	*1836*	*Brandt*
Callicebus_donacophilus	*1836*	*d'Orbigny*
Lophostoma_silvicolum	*1836*	*d'Orbigny*
Microtus_subterraneus	*1836*	*de Selys-Longchamps*
Emballonura_alecto	*1836*	*Eydoux & Gervais*
Rhinolophus_rufus	*1836*	*Eydoux & Gervais*
Thomomys_bottae	*1836*	*Eydoux & Gervais*
Plagiodontia_aedium	*1836*	*F. Cuvier*
Dremomys_lokriah	*1836*	*Hodgson*
Herpestes_urva	*1836*	*Hodgson*
Hylopetes_alboniger	*1836*	*Hodgson*
Niviventer_niviventer	*1836*	*Hodgson*
Petaurista_magnificus	*1836*	*Hodgson*
Cynogale_bennettii	*1836*	*J.E. Gray*
Herpestes_brachyurus	*1836*	*J.E. Gray*
Pardofelis_marmorata	*1836*	*Martin*
Damaliscus_korrigum	*1836*	*Ogilby*
Tragelaphus_eurycerus	*1836*	*Ogilbyi*
Macrotis_lagotis	*1836*	*Reid*

Genetta_abyssinica	*1836*	*R[a]ppell*
Axis_kuhlii	*1836*	*Temminck*
Capricornis_crispus	*1836*	*Temminck*
Dendrolagus_ursinus	*1836*	*Temminck*
Myrmecobius_fasciatus	*1836*	*Waterhouse*
Blarina_carolinensis	*1837*	*Bachman*
Sorex_longirostris	*1837*	*Bachman*
Sylvilagus_aquaticus	*1837*	*Bachman*
Sylvilagus_nuttallii	*1837*	*Bachman*
Sylvilagus_palustris	*1837*	*Bachman*
Hypsugo_savii	*1837*	*Bonaparte*
Myotis_capaccinii	*1837*	*Bonaparte*
Corynorhinus_townsendii	*1837*	*Cooper*
Eligmodontia_typus	*1837*	*F. Cuvier*
Nyctiellus_lepidus	*1837*	*Gervais*
Sorex_alpinus	*1837*	*H.R. Schinz*
Oryzomys_palustris	*1837*	*Harlan*
Galidia_elegans	*1837*	*I. Geoffroy*
Salanoia_concolor	*1837*	*I. Geoffroy*
Aepyprymnus_rufescens	*1837*	*J.E. Gray*
Bettongia_penicillata	*1837*	*J.E. Gray*
Conepatus_humboldtii	*1837*	*J.E. Gray*
Eoglaucomys_fimbriatus	*1837*	*J.E. Gray*
Golunda_ellioti	*1837*	*J.E. Gray*
Hemigalus_derbyanus	*1837*	*J.E. Gray*
Herpestes_smithii	*1837*	*J.E. Gray*
Lepus_californicus	*1837*	*J.E. Gray*
Lycalopex_griseus	*1837*	*J.E. Gray*
Macropus_dorsalis	*1837*	*J.E. Gray*
Millardia_meltada	*1837*	*J.E. Gray*
Mus_booduga	*1837*	*J.E. Gray*

Macropus_irma	*1837*	*Jourdan*
Phyllomys_blainvillii	*1837*	*Jourdan*
Erinaceus_concolor	*1837*	*Martin*
Lycalopex_fulvipes	*1837*	*Martin*
Rhinolophus_landeri	*1837*	*Martin*
Hemitragus_hylocrius	*1837*	*Ogilby*
Trachypithecus_obscurus	*1837*	*Reid*
Acerodon_mackloti	*1837*	*Temminck*
Epomophorus_labiatus	*1837*	*Temminck*
Megaerops_ecaudatus	*1837*	*Temminck*
Pteropus_alecto	*1837*	*Temminck*
Pteropus_chrysoproctus	*1837*	*Temminck*
Abrocoma_bennettii	*1837*	*Waterhouse*
Abrothrix_longipilis	*1837*	*Waterhouse*
Abrothrix_olivaceus	*1837*	*Waterhouse*
Acomys_subspinosus	*1837*	*Waterhouse*
Antechinus_flavipes	*1837*	*Waterhouse*
Colobus_satanas	*1837*	*Waterhouse*
Funambulus_tristriatus	*1837*	*Waterhouse*
Galago_alleni	*1837*	*Waterhouse*
Graomys_griseoflavus	*1837*	*Waterhouse*
Hylomyscus_alleni	*1837*	*Waterhouse*
Iomys_horsfieldii	*1837*	*Waterhouse*
Loxodontomys_micropus	*1837*	*Waterhouse*
Necromys_obscurus	*1837*	*Waterhouse*
Oligoryzomys_flavescens	*1837*	*Waterhouse*
Oxymycterus_nasutus	*1837*	*Waterhouse*
Phyllotis_darwini	*1837*	*Waterhouse*
Phyllotis_xanthopygus	*1837*	*Waterhouse*
Reithrodon_typicus	*1837*	*Waterhouse*
Scapteromys_tumidus	*1837*	*Waterhouse*

Sminthopsis_murina	*1837*	*Waterhouse*
Tamiasciurus_douglasii	*1838*	*Bachman*
Microtus_savii	*1838*	*de Selys-Longchamps*
Crocidura_cyanea	*1838*	*Duvernoy*
Gerbillus_burtoni	*1838*	*F. Cuvier*
Taterillus_pygargus	*1838*	*F. Cuvier*
Kogia_breviceps	*1838*	*H. Blainville*
Capra_pyrenaica	*1838*	*H.R. Schinz*
Hippotragus_niger	*1838*	*Harris*
Echimys_semivillosus	*1838*	*I. Geoffroy*
Trinomys_albispinus	*1838*	*I. Geoffroy*
Anoura_geoffroyi	*1838*	*J.E. Gray*
Artibeus_fimbriatus	*1838*	*J.E. Gray*
Cephalophus_zebra	*1838*	*J.E. Gray*
Hipposideros_fulvus	*1838*	*J.E. Gray*
Mimon_bennettii	*1838*	*J.E. Gray*
Natalus_stramineus	*1838*	*J.E. Gray*
Perameles_gunnii	*1838*	*J.E. Gray*
Pipistrellus_coromandra	*1838*	*J.E. Gray*
Pipistrellus_javanicus	*1838*	*J.E. Gray*
Pteronotus_davyi	*1838*	*J.E. Gray*
Echinops_telfairi	*1838*	*Martin*
Presbytis_femoralis	*1838*	*Martin*
Cynopterus_brachyotis	*1838*	*M^{a}ller*
Exilisciurus_exilis	*1838*	*M^{a}ller*
Presbytis_chrysomelas	*1838*	*M^{a}ller*
Presbytis_frontata	*1838*	*M^{a}ller*
Presbytis_rubicunda	*1838*	*M^{a}ller*
Sus_barbatus	*1838*	*M^{a}ller*
Chaeropus_ecaudatus	*1838*	*Ogilby*
Cryptomys_damarensis	*1838*	*Ogilby*

Muntiacus_reevesi	*1838*	*Ogilby*
Notomys_mitchellii	*1838*	*Ogilby*
Otolemur_garnettii	*1838*	*Ogilby*
Caprolagus_hispidus	*1838*	*Pearson*
Cervus_nippon	*1838*	*Temminck*
Emballonura_monticola	*1838*	*Temminck*
Pipistrellus_abramus	*1838*	*Temminck*
Saccolaimus_saccolaimus	*1838*	*Temminck*
Saccopteryx_bilineata	*1838*	*Temminck*
Procolobus_verus	*1838*	*Van Beneden*
Cephalophus_ogilbyi	*1838*	*Waterhouse*
Cercopithecus_campbelli	*1838*	*Waterhouse*
Cercopithecus_erythrotis	*1838*	*Waterhouse*
Funambulus_sublineatus	*1838*	*Waterhouse*
Genetta_poensis	*1838*	*Waterhouse*
Herpestes_fuscus	*1838*	*Waterhouse*
Petaurus_breviceps	*1838*	*Waterhouse*
Piliocolobus_pennantii	*1838*	*Waterhouse*
Elephantulus_edwardii	*1839*	*A. Smith*
Lepus_townsendii	*1839*	*Bachman*
Microtus_oregoni	*1839*	*Bachman*
Microtus_townsendii	*1839*	*Bachman*
Scapanus_townsendii	*1839*	*Bachman*
Spermophilus_townsendii	*1839*	*Bachman*
Tamias_minimus	*1839*	*Bachman*
Tamias_townsendii	*1839*	*Bachman*
Thomomys_townsendii	*1839*	*Bachman*
Microtus_duodecimcostatus	*1839*	*de Selys-Longchamps*
Mus_saxicola	*1839*	*Elliot*
Petaurista_philippensis	*1839*	*Elliot*
Phaner_furcifer	*1839*	*H. Blainville*

Moschus_chrysogaster	*1839*	*Hodgson*
Moschus_leucogaster	*1839*	*Hodgson*
Tamiops_mcclellandii	*1839*	*Horsfield*
Phyllops_falcatus	*1839*	*J.E. Gray*
Pteronotus_macleayii	*1839*	*J.E. Gray*
Tadarida_australis	*1839*	*J.E. Gray*
Eptesicus_nilssonii	*1839*	*Keyserling & Blasius*
Pipistrellus_nathusii	*1839*	*Keyserling & Blasius*
Thrichomys_apereoides	*1839*	*Lund*
Macaca_assamensis	*1839*	*M'Clelland*
Ochotona_roylei	*1839*	*Ogilby*
Sciurus_variegatoides	*1839*	*Ogilby*
Sciurus_colliaei	*1839*	*Richardson*
Capra_falconeri	*1839*	*Wagner*
Galerella_pulverulenta	*1839*	*Wagner*
Euneomys_chinchilloides	*1839*	*Waterhouse*
Mesocricetus_auratus	*1839*	*Waterhouse*
Oryzomys_galapagoensis	*1839*	*Waterhouse*
Phloeomys_cumingi	*1839*	*Waterhouse*
Pseudomys_gouldii	*1839*	*Waterhouse*
Rattus_fuscipes	*1839*	*Waterhouse*
Sundasciurus_philippinensis	*1839*	*Waterhouse*
Sylvilagus_bachmani	*1839*	*Waterhouse*
Thylamys_elegans	*1839*	*Waterhouse*
Perognathus_fasciatus	*1839*	*Wied-Neuwied*
Sorex_antinorii	*1840*	*Bonaparte*
Eolagurus_luteus	*1840*	*Eversmann*
Dasyurus_geoffroii	*1840*	*Gould*
Lagorchestes_leporides	*1840*	*Gould*
Macropus_robustus	*1840*	*Gould*
Onychogalea_fraenata	*1840*	*Gould*

Onychogalea_lunata	*1840*	*Gould*
Onychogalea_unguifera	*1840*	*Gould*
Petrogale_brachyotis	*1840*	*Gould*
Pteronotus_quadridens	*1840*	*Gundlach*
Mops_mops	*1840*	*H. Blainville*
Lepus_oiostolus	*1840*	*Hodgson*
Semnopithecus_schistaceus	*1840*	*Hodgson*
Mormopterus_norfolkensis	*1840*	*J.E. Gray*
Nyctinomops_macrotis	*1840*	*J.E. Gray*
Pithecheir_melanurus	*1840*	*Lesson*
Didelphis_albiventris	*1840*	*Lund*
Marmosops_incanus	*1840*	*Lund*
Necromys_lasiurus	*1840*	*Lund*
Oryzomys_laticeps	*1840*	*Lund*
Phyllomys_brasiliensis	*1840*	*Lund*
Rhipidomys_mastacalis	*1840*	*Lund*
Crocidura_tenuis	*1840*	*M^{a}ller*
Dendrolagus_inustus	*1840*	*M^{a}ller*
Hylomys_suillus	*1840*	*M^{a}ller*
Myoictis_melas	*1840*	*M^{a}ller*
Nannosciurus_melanotis	*1840*	*M^{a}ller*
Petaurista_elegans	*1840*	*M^{a}ller*
Rhinosciurus_laticaudatus	*1840*	*M^{a}ller*
Spalax_leucodon	*1840*	*Nordmann*
Gazella_cuvieri	*1840*	*Ogilby*
Nomascus_leucogenys	*1840*	*Ogilby*
Canis_simensis	*1840*	*R^{a}ppell*
Arielulus_circumdatus	*1840*	*Temminck*
Harpiocephalus_harpia	*1840*	*Temminck*
Hypsugo_macrotis	*1840*	*Temminck*
Kerivoula_papillosa	*1840*	*Temminck*

Murina_suilla	*1840*	*Temminck*
Myotis_hasseltii	*1840*	*Temminck*
Myotis_horsfieldii	*1840*	*Temminck*
Myotis_macrodactylus	*1840*	*Temminck*
Myotis_oreias	*1840*	*Temminck*
Nycticeius_aenobarbus	*1840*	*Temminck*
Philetor_brachypterus	*1840*	*Temminck*
Pipistrellus_hesperidus	*1840*	*Temminck*
Pipistrellus_tenuis	*1840*	*Temminck*
Tylonycteris_pachypus	*1840*	*Temminck*
Acomys_russatus	*1840*	*Wagner*
Eliomys_melanurus	*1840*	*Wagner*
Makalata_obscura	*1840*	*Wagner*
Martes_melampus	*1840*	*Wagner*
Antechinus_swainsonii	*1840*	*Waterhouse*
Cricetomys_gambianus	*1840*	*Waterhouse*
Myotis_chiloensis	*1840*	*Waterhouse*
Marmota_flaviventris	*1841*	*Audubon & Bachman*
Reithrodontomys_humulis	*1841*	*Audubon & Bachman*
Semnopithecus_hypoleucos	*1841*	*Blyth*
Sarcophilus_harrisii	*1841*	*Boitard*
Spermophilus_erythrogenys	*1841*	*Brandt*
Sciurus_stramineus	*1841*	*Eydoux & Souleyet*
Eptesicus_innoxius	*1841*	*Gervais*
Lagorchestes_conspicillatus	*1841*	*Gould*
Macropus_agilis	*1841*	*Gould*
Macropus_antilopinus	*1841*	*Gould*
Potorous_gilbertii	*1841*	*Gould*
Cannomys_badius	*1841*	*Hodgson*
Euroscaptor_micrura	*1841*	*Hodgson*
Marmota_himalayana	*1841*	*Hodgson*

Neodon_sikimensis	*1841*	*Horsfield*
Chalinolobus_gouldii	*1841*	*J.E. Gray*
Chalinolobus_morio	*1841*	*J.E. Gray*
Dipodomys_phillipsii	*1841*	*J.E. Gray*
Rattus_lutreolus	*1841*	*J.E. Gray*
Vespadelus_pumilus	*1841*	*J.E. Gray*
Calomys_expulsus	*1841*	*Lund*
Carterodon_sulcidens	*1841*	*Lund*
Antechinus_stuartii	*1841*	*Macleay*
Hylobates_muelleri	*1841*	*Martin*
Presbytis_siamensis	*1841*	*Mªller & Schlegel*
Equus_kiang	*1841*	*Moorcroft*
Chlorocebus_tantalus	*1841*	*Ogilby*
Hyemoschus_aquaticus	*1841*	*Ogilby*
Macaca_ochreata	*1841*	*Ogilby*
Callistomys_pictus	*1841*	*Pictet*
Mesechinus_dauuricus	*1841*	*Sundevall*
Taphozous_melanopogon	*1841*	*Temminck*
Urotrichus_talpoides	*1841*	*Temminck*
Atelerix_albiventris	*1841*	*Wagner*
Tupaia_belangeri	*1841*	*Wagner*
Aconaemys_fuscus	*1841*	*Waterhouse*
Caluromys_derbianus	*1841*	*Waterhouse*
Lepus_tibetanus	*1841*	*Waterhouse*
Onychomys_leucogaster	*1841*	*Wied-Neuwied*
Myotis_californicus	*1842*	*Audubon & Bachman*
Myotis_leibii	*1842*	*Audubon & Bachman*
Spermophilus_annulatus	*1842*	*Audubon & Bachman*
Parascalops_breweri	*1842*	*Bachman*
Scapanus_latimanus	*1842*	*Bachman*
Microtus_richardsoni	*1842*	*DeKay*

Meriones_shawi	*1842*	*Duvernoy*
Gazella_leptoceros	*1842*	*F. Cuvier*
Crocidura_poensis	*1842*	*Fraser*
Tarsipes_rostratus	*1842*	*Gervais & Verreaux*
Conilurus_penicillatus	*1842*	*Gould*
Dasyurus_hallucatus	*1842*	*Gould*
Isoodon_macrourus	*1842*	*Gould*
Petrogale_concinna	*1842*	*Gould*
Petrogale_inornata	*1842*	*Gould*
Petrogale_lateralis	*1842*	*Gould*
Pseudomys_delicatulus	*1842*	*Gould*
Lyncodon_patagonicus	*1842*	*H. Blainville*
Prionodon_pardicolor	*1842*	*Hodgson*
Vulpes_ferrilata	*1842*	*Hodgson*
Lobodon_carcinophaga	*1842*	*Hombron & Jacquinot*
Pteropus_insularis	*1842*	*Hombron & Jacquinot*
Alticola_roylei	*1842*	*J.E. Gray*
Anomalurus_derbianus	*1842*	*J.E. Gray*
Atherurus_africanus	*1842*	*J.E. Gray*
Belomys_pearsonii	*1842*	*J.E. Gray*
Callosciurus_caniceps	*1842*	*J.E. Gray*
Centurio_senex	*1842*	*J.E. Gray*
Chimarrogale_himalayica	*1842*	*J.E. Gray*
Dasyprocta_punctata	*1842*	*J.E. Gray*
Eulemur_coronatus	*1842*	*J.E. Gray*
Glauconycteris_poensis	*1842*	*J.E. Gray*
Micronycteris_megalotis	*1842*	*J.E. Gray*
Ochotona_rufescens	*1842*	*J.E. Gray*
Parantechinus_apicalis	*1842*	*J.E. Gray*
Petaurista_nobilis	*1842*	*J.E. Gray*
Pithecia_irrorata	*1842*	*J.E. Gray*

Scotorepens_greyii	*1842*	*J.E. Gray*
Sminthopsis_leucopus	*1842*	*J.E. Gray*
Soriculus_nigrescens	*1842*	*J.E. Gray*
Atelerix_algirus	*1842*	*Lereboullet*
Lycalopex_vetulus	*1842*	*Lund*
Speothos_venaticus	*1842*	*Lund*
Rucervus_eldii	*1842*	*M'Clelland*
Chionomys_nivalis	*1842*	*Martins*
Arvicanthis_abyssinicus	*1842*	*R[a]ppell*
Heterocephalus_glaber	*1842*	*R[a]ppell*
Muriculus_imberbis	*1842*	*R[a]ppell*
Rhinolophus_fumigatus	*1842*	*R[a]ppell*
Stenocephalemys_albipes	*1842*	*R[a]ppell*
Tachyoryctes_macrocephalus	*1842*	*R[a]ppell*
Crocidura_fulvastra	*1842*	*Sundevall*
Meriones_crassus	*1842*	*Sundevall*
Mops_midas	*1842*	*Sundevall*
Chimarrogale_platycephalus	*1842*	*Temminck*
Crocidura_dsinezumi	*1842*	*Temminck*
Mogera_wogura	*1842*	*Temminck*
Poiana_richardsonii	*1842*	*Thomson*
Callicebus_brunneus	*1842*	*Wagner*
Callicebus_caligatus	*1842*	*Wagner*
Callithrix_chrysoleuca	*1842*	*Wagner*
Dipodillus_dasyurus	*1842*	*Wagner*
Gracilinanus_microtarsus	*1842*	*Wagner*
Holochilus_sciureus	*1842*	*Wagner*
Makalata_macrura	*1842*	*Wagner*
Microtus_ochrogaster	*1842*	*Wagner*
Monodelphis_domestica	*1842*	*Wagner*
Monodelphis_glirina	*1842*	*Wagner*

Monodelphis_unistriata	*1842*	*Wagner*
Oryzomys_subflavus	*1842*	*Wagner*
Phyllomys_nigrispinus	*1842*	*Wagner*
Phyllomys_unicolor	*1842*	*Wagner*
Sciurus_gilvigularis	*1842*	*Wagner*
Sciurus_igniventris	*1842*	*Wagner*
Sphiggurus_melanurus	*1842*	*Wagner*
Thylamys_velutinus	*1842*	*Wagner*
Funisciurus_leucogenys	*1842*	*Waterhouse*
Heliosciurus_rufobrachium	*1842*	*Waterhouse*
Protoxerus_stangeri	*1842*	*Waterhouse*
Pseudomys_novaehollandiae	*1842*	*Waterhouse*
Ellobius_fuscocapillus	*1843*	*Blyth*
Trachypithecus_pileatus	*1843*	*Blyth*
Spermophilus_brevicauda	*1843*	*Brandt*
Spermophilus_dauricus	*1843*	*Brandt*
Caloprymnus_campestris	*1843*	*Gould*
Aotus_lemurinus	*1843*	*I. Geoffroy*
Saimiri_ustus	*1843*	*I. Geoffroy*
Semnopithecus_dussumieri	*1843*	*I. Geoffroy*
Cynopterus_horsfieldii	*1843*	*J.E. Gray*
Macrotus_waterhousii	*1843*	*J.E. Gray*
Mesembriomys_gouldii	*1843*	*J.E. Gray*
Mosia_nigrescens	*1843*	*J.E. Gray*
Mystacina_tuberculata	*1843*	*J.E. Gray*
Pteronotus_parnellii	*1843*	*J.E. Gray*
Sus_celebensis	*1843*	*Mªller & Schlegel*
Pteronotus_gymnonotus	*1843*	*Natterer*
Oxymycterus_hispidus	*1843*	*Pictet*
Dendrogale_murina	*1843*	*Schlegel & Mªller*
Cormura_brevirostris	*1843*	*Wagner*

Eumops_glaucinus	*1843*	*Wagner*
Peromyscus_polionotus	*1843*	*Wagner*
Peropteryx_macrotis	*1843*	*Wagner*
Phyllostomus_discolor	*1843*	*Wagner*
Pteronotus_personatus	*1843*	*Wagner*
Pygoderma_bilabiatum	*1843*	*Wagner*
Vampyressa_pusilla	*1843*	*Wagner*
Hipposideros_pygmaeus	*1843*	*Waterhouse*
Rhinolophus_philippinensis	*1843*	*Waterhouse*
Crocidura_mariquensis	*1844*	*A. Smith*
Rhinolophus_lepidus	*1844*	*Blyth*
Rhinolophus_macrotis	*1844*	*Blyth*
Rhinolophus_mitratus	*1844*	*Blyth*
Rhinolophus_subbadius	*1844*	*Blyth*
Semnopithecus_priam	*1844*	*Blyth*
Leopardus_geoffroyi	*1844*	*d'Orbigny & Gervais*
Chalinolobus_tuberculatus	*1844*	*Forster*
Octodontomys_gliroides	*1844*	*Gervais & d'Orbigny*
Pontoporia_blainvillei	*1844*	*Gervais & d'Orbigny*
Lagorchestes_hirsutus	*1844*	*Gould*
Notomys_longicaudatus	*1844*	*Gould*
Phascogale_calura	*1844*	*Gould*
Potorous_platyops	*1844*	*Gould*
Sminthopsis_crassicaudata	*1844*	*Gould*
Lagothrix_poeppigii	*1844*	*H.R. Schinz*
Marmota_caudata	*1844*	*I. Geoffroy*
Glossophaga_leachii	*1844*	*J.E. Gray*
Ommatophoca_rossii	*1844*	*J.E. Gray*
Myopus_schisticolor	*1844*	*Lilljeborg*
Prosciurillus_leucomus	*1844*	*M^{a}ller & Schlegel*
Prosciurillus_murinus	*1844*	*M^{a}ller & Schlegel*

Rubrisciurus_rubriventer	*1844*	*Mªller & Schlegel*
Phocarctos_hookeri	*1844*	*Peters*
Apodemus_argenteus	*1844*	*Temminck*
Apodemus_speciosus	*1844*	*Temminck*
Meles_anakuma	*1844*	*Temminck*
Mustela_itatsi	*1844*	*Temminck*
Petinomys_setosus	*1844*	*Temminck*
Pteromys_momonga	*1844*	*Temminck*
Rattus_tanezumi	*1844*	*Temminck*
Sciurus_lis	*1844*	*Temminck*
Choeronycteris_mexicana	*1844*	*Tschudi*
Coendou_bicolor	*1844*	*Tschudi*
Marmosops_noctivagus	*1844*	*Tschudi*
Oligoryzomys_destructor	*1844*	*Tschudi*
Sturnira_erythromos	*1844*	*Tschudi*
Sturnira_oporaphilum	*1844*	*Tschudi*
Lepus_flavigularis	*1844*	*Wagner*
Chelemys_megalonyx	*1844*	*Waterhouse*
Octodon_bridgesi	*1844*	*Waterhouse*
Rupicapra_pyrenaica	*1845*	*Bonaparte*
Myotis_brandtii	*1845*	*Eversmann*
Cercartetus_concinnus	*1845*	*Gould*
Pseudomys_albocinereus	*1845*	*Gould*
Pseudomys_gracilicaudatus	*1845*	*Gould*
Sminthopsis_macroura	*1845*	*Gould*
Glirulus_japonicus	*1845*	*H.R. Schinz*
Mus_cervicolor	*1845*	*Hodgson*
Rattus_nitidus	*1845*	*Hodgson*
Rattus_pyctoris	*1845*	*Hodgson*
Rhinonicteris_aurantia	*1845*	*J.E. Gray*
Lasiorhinus_latifrons	*1845*	*Owen*

Saguinus_geoffroyi	*1845*	*Pucheran*
Anomalurus_pelii	*1845*	*Schlegel & Mªller*
Lepus_brachyurus	*1845*	*Temminck*
Marmosops_impavidus	*1845*	*Tschudi*
Rhipidomys_leucodactylus	*1845*	*Tschudi*
Hipposideros_gigas	*1845*	*Wagner*
Isothrix_bistriata	*1845*	*Wagner*
Isothrix_pagurus	*1845*	*Wagner*
Kannabateomys_amblyonyx	*1845*	*Wagner*
Makalata_grandis	*1845*	*Wagner*
Oecomys_concolor	*1845*	*Wagner*
Oligoryzomys_eliurus	*1845*	*Wagner*
Peromyscus_maniculatus	*1845*	*Wagner*
Thrichomys_pachyurus	*1845*	*Wagner*
Kerivoula_pellucida	*1845*	*Waterhouse*
Miniopterus_tristis	*1845*	*Waterhouse*
Myotis_macrotarsus	*1845*	*Waterhouse*
Paraechinus_micropus	*1846*	*Blyth*
Hipposideros_galeritus	*1846*	*Cantor*
Procapra_picticaudata	*1846*	*Hodgson*
Caperea_marginata	*1846*	*J.E. Gray*
Cephalophus_dorsalis	*1846*	*J.E. Gray*
Cephalophus_niger	*1846*	*J.E. Gray*
Cephalophus_rufilatus	*1846*	*J.E. Gray*
Cephalorhynchus_eutropia	*1846*	*J.E. Gray*
Eudorcas_rufifrons	*1846*	*J.E. Gray*
Globicephala_macrorhynchus	*1846*	*J.E. Gray*
Herpestes_semitorquatus	*1846*	*J.E. Gray*
Lagenorhynchus_albirostris	*1846*	*J.E. Gray*
Myotis_muricola	*1846*	*J.E. Gray*
Peponocephala_electra	*1846*	*J.E. Gray*

Stenella_attenuata	*1846*	*J.E. Gray*
Stenella_clymene	*1846*	*J.E. Gray*
Pseudorca_crassidens	*1846*	*Owen*
Heliophobius_argenteocinereus	*1846*	*Peters*
Petrodromus_tetradactylus	*1846*	*Peters*
Saccostomus_campestris	*1846*	*Peters*
Steatomys_pratensis	*1846*	*Peters*
Dasymys_incomtus	*1846*	*Sundevall*
Epomophorus_wahlbergi	*1846*	*Sundevall*
Helogale_parvula	*1846*	*Sundevall*
Hipposideros_caffer	*1846*	*Sundevall*
Myodes_rufocanus	*1846*	*Sundevall*
Myosorex_cafer	*1846*	*Sundevall*
Thallomys_paedulcus	*1846*	*Sundevall*
Neotragus_moschatus	*1846*	*Von Dueben*
Auliscomys_boliviensis	*1846*	*Waterhouse*
Macropus_greyi	*1846*	*Waterhouse*
Macropus_parma	*1846*	*Waterhouse*
Pseudochirulus_canescens	*1846*	*Waterhouse*
Kerivoula_lanosa	*1847*	*A. Smith*
Hylopetes_spadiceus	*1847*	*Blyth*
Trachypithecus_barbei	*1847*	*Blyth*
Eptesicus_furinalis	*1847*	*d'Orbigny*
Meles_leucurus	*1847*	*Hodgson*
Sus_salvanius	*1847*	*Hodgson*
Cacajao_calvus	*1847*	*I. Geoffroy*
Ametrida_centurio	*1847*	*J.E. Gray*
Niviventer_fulvescens	*1847*	*J.E. Gray*
Taurotragus_derbianus	*1847*	*J.E. Gray*
Petinomys_fuscocapillus	*1847*	*Jerdon*
Rhynchocyon_cirnei	*1847*	*Peters*

Trachypithecus_phayrei	*1847*	*Reid*
Gorilla_gorilla	*1847*	*Savage*
Canis_adustus	*1847*	*Sundevall*
Sminthopsis_virginiae	*1847*	*Tarragon*
Monodelphis_dimidiata	*1847*	*Wagner*
Tragelaphus_angasii	*1848*	*Angas*
Coelops_frithii	*1848*	*Blyth*
Suncus_madagascariensis	*1848*	*Coquerel*
Dipodomys_agilis	*1848*	*Gambel*
Peromyscus_californicus	*1848*	*Gambel*
Callicebus_discolor	*1848*	*I. Geoffroy & Deville*
Chiropotes_albinasus	*1848*	*I. Geoffroy & Deville*
Saguinus_pileatus	*1848*	*I. Geoffroy & Deville*
Alouatta_palliata	*1848*	*J.E. Gray*
Galerella_ochracea	*1848*	*J.E. Gray*
Ptilocercus_lowii	*1848*	*J.E. Gray*
Emballonura_semicaudata	*1848*	*Peale*
Lagenorhynchus_australis	*1848*	*Peale*
Lissodelphis_borealis	*1848*	*Peale*
Microtus_californicus	*1848*	*Peale*
Microtus_montanus	*1848*	*Peale*
Nyctinomops_aurispinosus	*1848*	*Peale*
Perognathus_parvus	*1848*	*Peale*
Pteropus_samoensis	*1848*	*Peale*
Rattus_exulans	*1848*	*Peale*
Cebus_olivaceus	*1848*	*Schomburgk*
Leporillus_conditor	*1848*	*Sturt*
Hipposideros_ater	*1848*	*Templeton*
Ctenomys_opimus	*1848*	*Wagner*
Oryzomys_russatus	*1848*	*Wagner*
Ctenomys_boliviensis	*1848*	*Waterhouse*

Ctenomys_leucodon	*1848*	*Waterhouse*
Sylvilagus_cunicularius	*1848*	*Waterhouse*
Funambulus_layardi	*1849*	*Blyth*
Menetes_berdmorei	*1849*	*Blyth*
Pteropus_conspicillatus	*1849*	*Gould*
Hexaprotodon_liberiensis	*1849*	*Morton*
Alcelaphus_lichtensteinii	*1849*	*Peters*
Macaca_nigrescens	*1849*	*Temminck*
Anathana_ellioti	*1849*	*Waterhouse*
Parascaptor_leucura	*1850*	*Blyth*
Budorcas_taxicolor	*1850*	*Hodgson*
Eulemur_rubriventer	*1850*	*I. Geoffroy*
Kobus_leche	*1850*	*J.E. Gray*
Lophocebus_albigena	*1850*	*J.E. Gray*
Monachus_tropicalis	*1850*	*J.E. Gray*
Feroculus_feroculus	*1850*	*Kelaart*
Hipposideros_lankadiva	*1850*	*Kelaart*
Suncus_montanus	*1850*	*Kelaart*
Canis_rufus	*1851*	*Audubon & Bachman*
Mustela_nigripes	*1851*	*Audubon & Bachman*
Berylmys_berdmorei	*1851*	*Blyth*
Hesperoptenus_tickelli	*1851*	*Blyth*
Mus_terricolor	*1851*	*Blyth*
Rhizomys_pruinosus	*1851*	*Blyth*
Scotomanes_ornatus	*1851*	*Blyth*
Berardius_arnuxii	*1851*	*Duvernoy*
Notomys_cervinus	*1851*	*Gould*
Planigale_maculata	*1851*	*Gould*
Episoriculus_caudatus	*1851*	*Horsfield*
Martes_gwatkinsii	*1851*	*Horsfield*
Paraechinus_nudiventris	*1851*	*Horsfield*

Rhinolophus_pearsonii	*1851*	*Horsfield*
Lepilemur_mustelinus	*1851*	*I. Geoffroy*
Calcochloris_obtusirostris	*1851*	*Peters*
Mazama_rufina	*1851*	*Pucheran*
Cratogeomys_castanops	*1852*	*Baird*
Anomalurus_beecrofti	*1852*	*Fraser*
Chalinolobus_nigrogriseus	*1852*	*Gould*
Chalinolobus_picatus	*1852*	*Gould*
Melomys_cervinipes	*1852*	*Gould*
Sminthopsis_fuliginosus	*1852*	*Gould*
Pipistrellus_ceylonicus	*1852*	*Kelaart*
Orthogeomys_hispidus	*1852*	*Le Conte*
Acomys_spinosissimus	*1852*	*Peters*
Bdeogale_crassicauda	*1852*	*Peters*
Coleura_afra	*1852*	*Peters*
Crocidura_hirta	*1852*	*Peters*
Elephantulus_fuscus	*1852*	*Peters*
Epomophorus_crypturus	*1852*	*Peters*
Gerbilliscus_leucogaster	*1852*	*Peters*
Heliosciurus_mutabilis	*1852*	*Peters*
Hipposideros_vittatus	*1852*	*Peters*
Hystrix_africaeaustralis	*1852*	*Peters*
Microcebus_myoxinus	*1852*	*Peters*
Mops_brachypterus	*1852*	*Peters*
Neoromicia_nanus	*1852*	*Peters*
Paraxerus_flavovittis	*1852*	*Peters*
Paraxerus_palliatus	*1852*	*Peters*
Pelomys_fallax	*1852*	*Peters*
Scotophilus_viridis	*1852*	*Peters*
Steatomys_krebsii	*1852*	*Peters*
Chaetodipus_penicillatus	*1852*	*Woodhouse*

Sciurus_aberti	*1852*	*Woodhouse*
Rhinolophus_euryale	*1853*	*Blasius*
Hipposideros_cineraceus	*1853*	*Blyth*
Sotalia_fluviatilis	*1853*	*Gervais & Deville*
Leporillus_apicalis	*1853*	*Gould*
Mustela_strigidorsa	*1853*	*J.E. Gray*
Dipodomys_heermanni	*1853*	*Le Conte*
Peromyscus_gossypinus	*1853*	*Le Conte*
Platanista_minor	*1853*	*Owen*
Arvicanthis_rufinus	*1853*	*Temminck*
Epixerus_ebii	*1853*	*Temminck*
Heliosciurus_punctatus	*1853*	*Temminck*
Hipposideros_cyclops	*1853*	*Temminck*
Hipposideros_fuliginosus	*1853*	*Temminck*
Hybomys_trivirgatus	*1853*	*Temminck*
Lophuromys_sikapusi	*1853*	*Temminck*
Mastomys_erythroleucus	*1853*	*Temminck*
Mus_musculoides	*1853*	*Temminck*
Pteropus_hypomelanus	*1853*	*Temminck*
Pteropus_leucopterus	*1853*	*Temminck*
Pteropus_molossinus	*1853*	*Temminck*
Rhinolophus_alcyone	*1853*	*Temminck*
Saccolaimus_peli	*1853*	*Temminck*
Dipodomys_ordii	*1853*	*Woodhouse*
Ammospermophilus_harrisii	*1854*	*Audubon & Bachman*
Gracilinanus_agilis	*1854*	*Burmeister*
Molossops_temminckii	*1854*	*Burmeister*
Sigmodon_hirsutus	*1854*	*Burmeister*
Dendrohyrax_dorsalis	*1854*	*Fraser*
Hipposideros_cervinus	*1854*	*Gould*
Myotis_macropus	*1854*	*Gould*

Taphozous_australis	*1854*	*Gould*
Petrogale_xanthopus	*1854*	*J.E. Gray*
Cynomys_gunnisoni	*1855*	*Baird*
Geomys_breviceps	*1855*	*Baird*
Neotoma_mexicana	*1855*	*Baird*
Neotoma_micropus	*1855*	*Baird*
Perognathus_flavus	*1855*	*Baird*
Peromyscus_boylii	*1855*	*Baird*
Reithrodontomys_montanus	*1855*	*Baird*
Tamias_dorsalis	*1855*	*Baird*
Crocidura_fuliginosa	*1855*	*Blyth*
Lepus_peguensis	*1855*	*Blyth*
Pectinator_spekei	*1855*	*Blyth*
Kobus_megaceros	*1855*	*Fitzinger*
Mesoplodon_europaeus	*1855*	*Gervais*
Rhipidomys_macrurus	*1855*	*Gervais*
Nesiotites_similis	*1855*	*Hensel*
Episoriculus_leucops	*1855*	*Horsfield*
Myotis_siligorensis	*1855*	*Horsfield*
Thyroptera_discifera	*1855*	*Lichtenstein & Peters*
Bdeogale_nigripes	*1855*	*Pucheran*
Genetta_servalina	*1855*	*Pucheran*
Oenomys_hypoxanthus	*1855*	*Pucheran*
Callosciurus_phayrei	*1856*	*Blyth*
Chiropodomys_gliroides	*1856*	*Blyth*
Presbytis_potenziani	*1856*	*Bonaparte*
Dasypus_pilosus	*1856*	*Fitzinger*
Artibeus_cinereus	*1856*	*Gervais*
Lasiurus_ega	*1856*	*Gervais*
Micronycteris_minuta	*1856*	*Gervais*
Antechinomys_laniger	*1856*	*Gould*

Rhagamys_orthodon	*1856*	*Hensel*
Rheithrosciurus_macrotis	*1856*	*J.E. Gray*
Antrozous_pallidus	*1856*	*Le Conte*
Chrotopterus_auritus	*1856*	*Peters*
Eliomys_munbyanus	*1856*	*Pomel*
Lepus_granatensis	*1856*	*Rosenhauer*
Crocidura_horsfieldii	*1856*	*Tomes*
Microtus_breweri	*1857*	*Baird*
Neotoma_fuscipes	*1857*	*Baird*
Neotoma_magister	*1857*	*Baird*
Peromyscus_eremicus	*1857*	*Baird*
Reithrodontomys_megalotis	*1857*	*Baird*
Sorex_haydeni	*1857*	*Baird*
Sorex_hoyi	*1857*	*Baird*
Sorex_trowbridgii	*1857*	*Baird*
Sorex_vagrans	*1857*	*Baird*
Synaptomys_cooperi	*1857*	*Baird*
Cavia_tschudii	*1857*	*Fitzinger*
Rattus_sordidus	*1857*	*Gould*
Ochotona_curzoniae	*1857*	*Hodgson*
Euoticus_elegantulus	*1857*	*Le Conte*
Funisciurus_lemniscatus	*1857*	*Le Conte*
Myosciurus_pumilio	*1857*	*Le Conte*
Kobus_vardonii	*1857*	*Livingstone*
Tupaia_dorsalis	*1857*	*Schlegel*
Myotis_blythii	*1857*	*Tomes*
Myotis_chinensis	*1857*	*Tomes*
Chaetodipus_hispidus	*1858*	*Baird*
Macrotus_californicus	*1858*	*Baird*
Neurotrichus_gibbsii	*1858*	*Baird*
Spermophilus_tereticaudus	*1858*	*Baird*

Sylvilagus_audubonii	*1858*	*Baird*
Urocyon_littoralis	*1858*	*Baird*
Falsistrellus_tasmaniensis	*1858*	*Gould*
Pseudomys_nanus	*1858*	*Gould*
Dactylopsila_trivirgata	*1858*	*J.E. Gray*
Myoictis_wallacii	*1858*	*J.E. Gray*
Strigocuscus_celebensis	*1858*	*J.E. Gray*
Felis_margarita	*1858*	*Loche*
Choloepus_hoffmanni	*1858*	*Peters*
Abrothrix_andinus	*1858*	*Philippi*
Geoxus_valdivianus	*1858*	*Philippi*
Miniopterus_australis	*1858*	*Tomes*
Nyctophilus_gouldi	*1858*	*Tomes*
Phoniscus_aerosa	*1858*	*Tomes*
Hapalomys_longicaudatus	*1859*	*Blyth*
Hylopetes_phayrei	*1859*	*Blyth*
Platacanthomys_lasiurus	*1859*	*Blyth*
Allocricetulus_eversmanni	*1859*	*Brandt*
Notopteris_macdonaldi	*1859*	*J.E. Gray*
Nycticeinops_schlieffeni	*1859*	*Peters*
Otonycteris_hemprichii	*1859*	*Peters*
Erinaceus_amurensis	*1859*	*Schrenk*
Microtus_maximowiczii	*1859*	*Schrenk*
Rattus_andamanensis	*1860*	*Blyth*
Potamogale_velox	*1860*	*de Chaillu*
Thylogale_stigmatica	*1860*	*Gould*
Erophylla_sezekorni	*1860*	*Gundlach*
Phyllonycteris_poeyi	*1860*	*Gundlach*
Arctocebus_calabarensis	*1860*	*J.A. Smith*
Phalanger_ornatus	*1860*	*J.E. Gray*
Pithecia_albicans	*1860*	*J.E. Gray*

Eschrichtius_robustus	*1860*	*Lilljeborg*
Colobus_angolensis	*1860*	*P. Sclater*
Chiroderma_villosum	*1860*	*Peters*
Nectomys_apicalis	*1860*	*Peters*
Platyrrhinus_vittatus	*1860*	*Peters*
Ctenomys_fulvus	*1860*	*Philippi*
Artibeus_toltecus	*1860*	*Saussure*
Bassariscus_sumichrasti	*1860*	*Saussure*
Dasyprocta_mexicana	*1860*	*Saussure*
Leptonycteris_nivalis	*1860*	*Saussure*
Molossus_aztecus	*1860*	*Saussure*
Nyctomys_sumichrasti	*1860*	*Saussure*
Oligoryzomys_fulvescens	*1860*	*Saussure*
Peromyscus_aztecus	*1860*	*Saussure*
Peromyscus_mexicanus	*1860*	*Saussure*
Reithrodontomys_mexicanus	*1860*	*Saussure*
Sigmodon_toltecus	*1860*	*Saussure*
Tamandua_mexicana	*1860*	*Saussure*
Epomops_franqueti	*1860*	*Tomes*
Melanomys_caliginosus	*1860*	*Tomes*
Microryzomys_minutus	*1860*	*Tomes*
Oecomys_bicolor	*1860*	*Tomes*
Oryzomys_albigularis	*1860*	*Tomes*
Proechimys_semispinosus	*1860*	*Tomes*
Rhipidomys_latimanus	*1860*	*Tomes*
Thomasomys_aureus	*1860*	*Tomes*
Lasiurus_pfeifferi	*1861*	*Gundlach*
Nycticeius_cubanus	*1861*	*Gundlach*
Hypsignathus_monstrosus	*1861*	*H. Allen*
Chaerephon_bivittatus	*1861*	*Heuglin*
Tadarida_ventralis	*1861*	*Heuglin*

Hylobates_pileatus	*1861*	*J.E. Gray*
Cynopterus_luzoniensis	*1861*	*Peters*
Hipposideros_obscurus	*1861*	*Peters*
Ptenochirus_jagori	*1861*	*Peters*
Rhinolophus_borneensis	*1861*	*Peters*
Solenodon_cubanus	*1861*	*Peters*
Histiotus_montanus	*1861*	*Philippi & Landbeck*
Lasiopodomys_brandtii	*1861*	*Radde*
Lepus_mandshuricus	*1861*	*Radde*
Microtus_mongolicus	*1861*	*Radde*
Microtus_mexicanus	*1861*	*Saussure*
Reithrodontomys_sumichrasti	*1861*	*Saussure*
Glauconycteris_variegata	*1861*	*Tomes*
Kerivoula_argentata	*1861*	*Tomes*
Pipistrellus_rusticus	*1861*	*Tomes*
Tadarida_insignis	*1862*	*Blyth*
Viverra_civettina	*1862*	*Blyth*
Viverra_megaspila	*1862*	*Blyth*
Lasiurus_intermedius	*1862*	*H. Allen*
Hipposideros_megalotis	*1862*	*Heuglin*
Capricornis_swinhoei	*1862*	*J.E. Gray*
Funisciurus_isabella	*1862*	*J.E. Gray*
Nyctimene_albiventer	*1862*	*J.E. Gray*
Sylvisorex_morio	*1862*	*J.E. Gray*
Dasypus_kappleri	*1862*	*Krauss*
Pteropus_scapulatus	*1862*	*Peters*
Alticola_macrotis	*1862*	*Radde*
Marmota_sibirica	*1862*	*Radde*
Macaca_cyclopis	*1862*	*Swinhoe*
Mogera_insularis	*1862*	*Swinhoe*
Otolemur_monteiri	*1863*	*Bartlett*

Capricornis_rubidus	*1863*	*Blyth*
Gazella_spekei	*1863*	*Blyth*
Macaca_leonina	*1863*	*Blyth*
Phaiomys_leucurus	*1863*	*Blyth*
Pteropus_melanotus	*1863*	*Blyth*
Rucervus_schomburgki	*1863*	*Blyth*
Calyptophractus_retusus	*1863*	*Burmeister*
Dendromus_mystacalis	*1863*	*Heuglin*
Euoticus_pallidus	*1863*	*J.E. Gray*
Galago_gabonensis	*1863*	*J.E. Gray*
Pteropus_vetulus	*1863*	*Jouan*
Spermophilus_armatus	*1863*	*Kennicott*
Spermophilus_elegans	*1863*	*Kennicott*
Spermophilus_mollis	*1863*	*Kennicott*
Sciurus_deppei	*1863*	*Peters*
Sciurus_oculatus	*1863*	*Peters*
Tragelaphus_spekii	*1863*	*Speke*
Caenolestes_fuliginosus	*1863*	*Tomes*
Lonchorhina_aurita	*1863*	*Tomes*
Myotis_evotis	*1864*	*H. Allen*
Myotis_yumanensis	*1864*	*H. Allen*
Pipistrellus_hesperus	*1864*	*H. Allen*
Cryptomys_ochraceocinereus	*1864*	*Heuglin*
Lemniscomys_zebra	*1864*	*Heuglin*
Poecilogale_albinucha	*1864*	*J.E. Gray*
Rhynchogale_melleri	*1864*	*J.E. Gray*
Mormoops_megalophylla	*1864*	*Peters*
Niviventer_coninga	*1864*	*Swinhoe*
Phocoena_spinipinnis	*1865*	*Burmeister*
Leopardus_jacobitus	*1865*	*Cornalia*
Lagenorhynchus_obliquidens	*1865*	*Gill*

Tapirus_bairdii	*1865*	*Gill*
Crocidura_fuscomurina	*1865*	*Heuglin*
Lepus_microtis	*1865*	*Heuglin*
Ateles_fusciceps	*1865*	*J.E. Gray*
Chaetophractus_vellerosus	*1865*	*J.E. Gray*
Echinoprocta_rufescens	*1865*	*J.E. Gray*
Lutra_sumatrana	*1865*	*J.E. Gray*
Mesoplodon_layardii	*1865*	*J.E. Gray*
Nasuella_olivacea	*1865*	*J.E. Gray*
Tupaia_splendidula	*1865*	*J.E. Gray*
Artibeus_concolor	*1865*	*Peters*
Cynomops_planirostris	*1865*	*Peters*
Glyphonycteris_behnii	*1865*	*Peters*
Mormopterus_jugularis	*1865*	*Peters*
Nycteris_grandis	*1865*	*Peters*
Orthogeomys_heterodus	*1865*	*Peters*
Phylloderma_stenops	*1865*	*Peters*
Rhinophylla_pumilio	*1865*	*Peters*
Mesocapromys_melanurus	*1865*	*Poey*
Cuniculus_taczanowskii	*1865*	*Stolzmann*
Mirounga_angustirostris	*1866*	*Gill*
Myotis_volans	*1866*	*H. Allen*
Rhogeessa_parvula	*1866*	*H. Allen*
Rhogeessa_tumida	*1866*	*H. Allen*
Callicebus_ornatus	*1866*	*J.E. Gray*
Cercopithecus_erythrogaster	*1866*	*J.E. Gray*
Myotis_welwitschii	*1866*	*J.E. Gray*
Pteropus_livingstonii	*1866*	*J.E. Gray*
Styloctenium_wallacei	*1866*	*J.E. Gray*
Dasycercus_cristicauda	*1866*	*Krefft*
Elaphurus_davidianus	*1866*	*Milne-Edwards*

Kogia_sima	*1866*	*Owen*
Orcaella_brevirostris	*1866*	*Owen in Gray*
Arctocephalus_philippii	*1866*	*Peters*
Falsistrellus_mordax	*1866*	*Peters*
Lophostoma_brasiliense	*1866*	*Peters*
Miniopterus_minor	*1866*	*Peters*
Mormopterus_planiceps	*1866*	*Peters*
Myotis_ater	*1866*	*Peters*
Phoniscus_jagorii	*1866*	*Peters*
Platyrrhinus_helleri	*1866*	*Peters*
Rhinolophus_blasii	*1866*	*Peters*
Rhinolophus_coelophyllus	*1866*	*Peters*
Saccolaimus_flaviventris	*1866*	*Peters*
Scoteanax_rueppellii	*1866*	*Peters*
Tylomys_nudicaudus	*1866*	*Peters*
Uroderma_bilobatum	*1866*	*Peters*
Zalophus_japonicus	*1866*	*Peters*
Histiotus_magellanicus	*1866*	*Philippi*
Eidolon_dupreanum	*1866*	*Pollen in Schlegel & Pollen*
Murexia_longicaudata	*1866*	*Schlegel*
Lepilemur_ruficaudatus	*1867*	*A. Grandidier*
Mirza_coquereli	*1867*	*A. Grandidier*
Mungotictis_decemlineata	*1867*	*A. Grandidier*
Propithecus_coquereli	*1867*	*A. Grandidier*
Propithecus_deckenii	*1867*	*A. Grandidier*
Propithecus_verreauxi	*1867*	*A. Grandidier*
Balaenoptera_bonaerensis	*1867*	*Burmeister*
Sciurus_arizonensis	*1867*	*Coues*
Sciurus_pucheranii	*1867*	*Fitzinger*
Callosciurus_inornatus	*1867*	*J.E. Gray*
Echiothrix_leucura	*1867*	*J.E. Gray*

Microsciurus_flaviventer	*1867*	*J.E. Gray*
Ochotona_pallasi	*1867*	*J.E. Gray*
Rattus_leucopus	*1867*	*J.E. Gray*
Rattus_xanthurus	*1867*	*J.E. Gray*
Sciurus_ignitus	*1867*	*J.E. Gray*
Taeromys_celebensis	*1867*	*J.E. Gray*
Tamias_quadrimaculatus	*1867*	*J.E. Gray*
Vandeleuria_nilagirica	*1867*	*Jerdon*
Meriones_hurrianae	*1867*	*Jordon*
Uromys_caudimaculatus	*1867*	*Krefft*
Dipodillus_campestris	*1867*	*Loche*
Gymnobelideus_leadbeateri	*1867*	*McCoy*
Aeretes_melanopterus	*1867*	*Milne-Edwards*
Cricetulus_longicaudatus	*1867*	*Milne-Edwards*
Dremomys_pernyi	*1867*	*Milne-Edwards*
Eospalax_fontanierii	*1867*	*Milne-Edwards*
Lophiomys_imhausi	*1867*	*Milne-Edwards*
Meriones_unguiculatus	*1867*	*Milne-Edwards*
Naemorhedus_caudatus	*1867*	*Milne-Edwards*
Scaptochirus_moschatus	*1867*	*Milne-Edwards*
Sciurotamias_davidianus	*1867*	*Milne-Edwards*
Tamiops_rodolphii	*1867*	*Milne-Edwards*
Trogopterus_xanthipes	*1867*	*Milne-Edwards*
Acerodon_celebensis	*1867*	*Peters*
Balantiopteryx_plicata	*1867*	*Peters*
Micropteropus_pusillus	*1867*	*Peters*
Myotis_oxyotus	*1867*	*Peters*
Peropteryx_kappleri	*1867*	*Peters*
Peropteryx_leucoptera	*1867*	*Peters*
Pteropus_aruensis	*1867*	*Peters*
Pteropus_keyensis	*1867*	*Peters*

Pteropus_macrotis	*1867*	*Peters*
Pteropus_melanopogon	*1867*	*Peters*
Pteropus_ocularis	*1867*	*Peters*
Pteropus_temminckii	*1867*	*Peters*
Rhinolophus_deckenii	*1867*	*Peters*
Syconycteris_australis	*1867*	*Peters*
Cheirogaleus_adipicaudatus	*1868*	*A. Grandidier*
Hippopotamus_lemerlei	*1868*	*A. Grandidier in Milne-Edwards*
Amblyrhiza_inundata	*1868*	*Cope*
Lemmiscus_curtatus	*1868*	*Cope*
Heterohyrax_brucei	*1868*	*J.E. Gray*
Heteromys_desmarestianus	*1868*	*J.E. Gray*
Liomys_irroratus	*1868*	*J.E. Gray*
Piliocolobus_kirkii	*1868*	*J.E. Gray*
Apodemus_chevrieri	*1868*	*Milne-Edwards*
Choeroniscus_minor	*1868*	*Peters*
Coleura_seychellensis	*1868*	*Peters*
Hesperoptenus_doriae	*1868*	*Peters*
Hypogeomys_antimena	*1869*	*A. Grandidier*
Tragelaphus_imberbis	*1869*	*Blyth*
Ailuropoda_melanoleuca	*1869*	*David*
Capricornis_milneedwardsii	*1869*	*David*
Diclidurus_scutatus	*1869*	*Peters*
Eptesicus_bottae	*1869*	*Peters*
Micronycteris_hirsuta	*1869*	*Peters*
Myotis_davidii	*1869*	*Peters*
Pteropus_tuberculatus	*1869*	*Peters*
Ctenomys_mendocinus	*1869*	*Philippi*
Rattus_palmarum	*1869*	*Zelebor*
Tupaia_nicobarica	*1869*	*Zelebor*
Chaerephon_leucogaster	*1870*	*A. Grandidier*

Cheirogaleus_crossleyi	*1870*	*A. Grandidier*
Oryzorictes_hova	*1870*	*A. Grandidier*
Epomophorus_angolensis	*1870*	*J.E. Gray*
Lepilemur_dorsalis	*1870*	*J.E. Gray*
Pteropus_anetianus	*1870*	*J.E. Gray*
Pteropus_caniceps	*1870*	*J.E. Gray*
Pteropus_loochoensis	*1870*	*J.E. Gray*
Pteropus_ornatus	*1870*	*J.E. Gray*
Pteropus_rayneri	*1870*	*J.E. Gray*
Thoopterus_nigrescens	*1870*	*J.E. Gray*
Saguinus_graellsi	*1870*	*Jimenez de la Espada*
Euroscaptor_longirostris	*1870*	*Milne-Edwards*
Macaca_thibetana	*1870*	*Milne-Edwards*
Nectogale_elegans	*1870*	*Milne-Edwards*
Petaurista_alborufus	*1870*	*Milne-Edwards*
Rhinopithecus_roxellana	*1870*	*Milne-Edwards*
Crocidura_foetida	*1870*	*Peters*
Crocidura_gracilipes	*1870*	*Peters*
Crocidura_monticola	*1870*	*Peters*
Dasymys_nudipes	*1870*	*Peters*
Hypsugo_pulveratus	*1870*	*Peters*
Lasiurus_egregius	*1870*	*Peters*
Myotis_bocagii	*1870*	*Peters*
Myotis_fimbriatus	*1870*	*Peters*
Myotis_laniger	*1870*	*Peters*
Nesomys_rufus	*1870*	*Peters*
Rusa_alfredi	*1870*	*Sclater*
Hydropotes_inermis	*1870*	*Swinhoe*
Lepus_hainanus	*1870*	*Swinhoe*
Rattus_losea	*1870*	*Swinhoe*
Propithecus_edwardsi	*1871*	*A. Grandidier*

Aselliscus_stoliczkanus	*1871*	*Dobson*
Eonycteris_spelaea	*1871*	*Dobson*
Eptesicus_pachyotis	*1871*	*Dobson*
Falsistrellus_affinis	*1871*	*Dobson*
Myotis_annectans	*1871*	*Dobson*
Myotis_nipalensis	*1871*	*Dobson*
Triaenops_persicus	*1871*	*Dobson*
Phyllomys_thomasi	*1871*	*Ihering*
Callosciurus_quinquestriatus	*1871*	*J. Anderson*
Cephalophus_nigrifrons	*1871*	*J.E. Gray*
Mesoplodon_hectori	*1871*	*J.E. Gray*
Prolemur_simus	*1871*	*J.E. Gray*
Eothenomys_melanogaster	*1871*	*Milne-Edwards*
Lasiopodomys_mandarinus	*1871*	*Milne-Edwards*
Naemorhedus_griseus	*1871*	*Milne-Edwards*
Niviventer_confucianus	*1871*	*Milne-Edwards*
Ochotona_thibetana	*1871*	*Milne-Edwards*
Pygathrix_nigripes	*1871*	*Milne-Edwards*
Sorex_cylindricauda	*1871*	*Milne-Edwards*
Uropsilus_soricipes	*1871*	*Milne-Edwards*
Hipposideros_coronatus	*1871*	*Peters*
Hipposideros_doriae	*1871*	*Peters*
Rhinolophus_acuminatus	*1871*	*Peters*
Rhinolophus_arcuatus	*1871*	*Peters*
Rhinolophus_keyensis	*1871*	*W. Peters*
Nanger_granti	*1872*	*Brooke*
Murina_cyclotis	*1872*	*Dobson*
Rhinolophus_yunanensis	*1872*	*Dobson*
Taphozous_theobaldi	*1872*	*Dobson*
Mazama_nana	*1872*	*Hensel*
Monodelphis_sorex	*1872*	*Hensel*

Phyllomys_dasythrix	*1872*	*Hensel*
Arctocephalus_tropicalis	*1872*	*J.E. Gray*
Anourosorex_squamipes	*1872*	*Milne-Edwards*
Blarinella_quadraticauda	*1872*	*Milne-Edwards*
Crocidura_attenuata	*1872*	*Milne-Edwards*
Elaphodus_cephalophus	*1872*	*Milne-Edwards*
Microtus_montebelli	*1872*	*Milne-Edwards*
Murina_aurata	*1872*	*Milne-Edwards*
Murina_leucogaster	*1872*	*Milne-Edwards*
Petaurista_xanthotis	*1872*	*Milne-Edwards*
Scaptonyx_fusicaudus	*1872*	*Milne-Edwards*
Geogale_aurita	*1872*	*Milne-Edwards & A. Grandidier*
Cardioderma_cor	*1872*	*Peters*
Murina_grisea	*1872*	*Peters*
Murina_huttoni	*1872*	*Peters*
Neoromicia_tenuipinnis	*1872*	*Peters*
Ctenomys_maulinus	*1872*	*Philippi*
Saimiri_oerstedii	*1872*	*Reinhardt*
Chaerephon_johorensis	*1873*	*Dobson*
Myotis_longipes	*1873*	*Dobson*
Aeromys_tephromelas	*1873*	*Gªnther*
Pteromyscus_pulverulentus	*1873*	*Gªnther*
Delomys_dorsalis	*1873*	*Hensel*
Cephalophus_leucogaster	*1873*	*J.E. Gray*
Mesoplodon_traversii	*1873*	*J.E. Gray*
Protoxerus_aubinnii	*1873*	*J.E. Gray*
Tylomys_panamensis	*1873*	*J.E. Gray*
Lasiorhinus_krefftii	*1873*	*Owen*
Dinomys_branickii	*1873*	*Peters*
Ochotona_rutila	*1873*	*Severtzov*
Microtus_quasiater	*1874*	*Coues*

Onychomys_torridus	*1874*	*Coues*
Peromyscus_melanophrys	*1874*	*Coues*
Dorcopsis_luctuosa	*1874*	*D'Albertis*
Myotis_montivagus	*1874*	*Dobson*
Catopuma_badia	*1874*	*J.E. Gray*
Feresa_attenuata	*1874*	*J.E. Gray*
Myospalax_psilurus	*1874*	*Milne-Edwards*
Tamiops_swinhoei	*1874*	*Milne-Edwards*
Distoechurus_pennatus	*1874*	*Peters*
Emballonura_atrata	*1874*	*Peters*
Eumops_bonariensis	*1874*	*Peters*
Liomys_adspersus	*1874*	*Peters*
Pseudochirops_albertisii	*1874*	*Peters*
Alticola_stoliczkanus	*1875*	*Blanford*
Gerbillus_nanus	*1875*	*Blanford*
Meriones_persicus	*1875*	*Blanford*
Macaca_fuscata	*1875*	*Blyth*
Dolichotis_salinicola	*1875*	*Burmeister*
Perognathus_longimembris	*1875*	*Coues*
Thomomys_clusius	*1875*	*Coues*
Glauconycteris_argentata	*1875*	*Dobson*
Glischropus_tylopus	*1875*	*Dobson*
Pipistrellus_stenopterus	*1875*	*Dobson*
Scotozous_dormeri	*1875*	*Dobson*
Allocebus_trichotis	*1875*	*Gᵅnther*
Brachytarsomys_albicauda	*1875*	*Gᵅnther*
Chrysospalax_trevelyani	*1875*	*Gᵅnther*
Hemicentetes_nigriceps	*1875*	*Gᵅnther*
Lepus_yarkandensis	*1875*	*Gᵅnther*
Ochotona_ladacensis	*1875*	*Gᵅnther*
Ochotona_macrotis	*1875*	*Gᵅnther*

Anourosorex_assamensis	*1875*	*J. Anderson*
Arctocephalus_gazella	*1875*	*Peters*
Echymipera_rufescens	*1875*	*Peters & Doria*
Phalanger_gymnotis	*1875*	*Peters & Doria*
Oryzomys_couesi	*1876*	*Alston*
Scotinomys_teguina	*1876*	*Alston*
Miniopterus_pusillus	*1876*	*Dobson*
Nycteris_macrotis	*1876*	*Dobson*
Scotoecus_pallidus	*1876*	*Dobson*
Diplomys_caniceps	*1876*	*Gᵃnther*
Hystrix_crassispinis	*1876*	*Gᵃnther*
Proechimys_brevicauda	*1876*	*Gᵃnther*
Saguinus_leucopus	*1876*	*Gᵃnther*
Sundasciurus_steerii	*1876*	*Gᵃnther*
Trinomys_dimidiatus	*1876*	*Gᵃnther*
Tupaia_minor	*1876*	*Gᵃnther*
Bassaricyon_gabbii	*1876*	*J.A. Allen*
Trachypithecus_germaini	*1876*	*Milne-Edwards*
Cephalophus_callipygus	*1876*	*Peters*
Crocidura_dolichura	*1876*	*Peters*
Galago_cameronensis	*1876*	*Peters*
Hybomys_univittatus	*1876*	*Peters*
Mesembriomys_macrurus	*1876*	*Peters*
Mus_setulosus	*1876*	*Peters*
Pteropus_capistratus	*1876*	*Peters*
Pteropus_neohibernicus	*1876*	*Peters*
Microperoryctes_longicauda	*1876*	*Peters & Doria*
Phascolosorex_dorsalis	*1876*	*Peters & Doria*
Pogonomelomys_bruijni	*1876*	*Peters & Doria*
Zaglossus_bruijni	*1876*	*Peters & Doria*
Hypsiprymnodon_moschatus	*1876*	*Ramsay*

Cercopithecus_neglectus	*1876*	*Schlegel*
Saiga_borealis	*1876*	*Tschersky*
Mesoplodon_grayi	*1876*	*Von Haast*
Melomys_rufescens	*1877*	*Alston*
Sorex_veraepacis	*1877*	*Alston*
Vulpes_cana	*1877*	*Blanford*
Cryptotis_mexicana	*1877*	*Coues*
Notiosorex_crawfordi	*1877*	*Coues*
Notiosorex_evotis	*1877*	*Coues*
Sorex_pacificus	*1877*	*Coues*
Apodemus_mystacinus	*1877*	*Danford & Alston*
Eptesicus_nasutus	*1877*	*Dobson*
Hesperoptenus_blanfordi	*1877*	*Dobson*
Hipposideros_calcaratus	*1877*	*Dobson*
Melonycteris_melanops	*1877*	*Dobson*
Nyctimene_major	*1877*	*Dobson*
Acomys_cineraceus	*1877*	*Heuglin*
Dipodillus_stigmonyx	*1877*	*Heuglin*
Gerbillus_dongolanus	*1877*	*Heuglin*
Kerivoula_eriophora	*1877*	*Heuglin*
Otomys_typus	*1877*	*Heuglin*
Suncus_stoliczkanus	*1877*	*J. Anderson*
Sciurus_yucatanensis	*1877*	*J.A. Allen*
Sylvilagus_graysoni	*1877*	*J.A. Allen*
Cercartetus_caudatus	*1877*	*Milne-Edwards*
Malacomys_longipes	*1877*	*Milne-Edwards*
Phalanger_vestitus	*1877*	*Milne-Edwards*
Pogonomys_macrourus	*1877*	*Milne-Edwards*
Pteropus_seychellensis	*1877*	*Milne-Edwards*
Typhlomys_cinereus	*1877*	*Milne-Edwards*
Amorphochilus_schnablii	*1877*	*Peters*

Petrogale_assimilis	*1877*	*Ramsay*
Macrogalidia_musschenbroekii	*1877*	*Schlegel*
Dremomys_rufigenis	*1878*	*Blanford*
Litocranius_walleri	*1878*	*Brooke*
Chiroderma_salvini	*1878*	*Dobson*
Dobsonia_minor	*1878*	*Dobson*
Emballonura_raffrayana	*1878*	*Dobson*
Kerivoula_africana	*1878*	*Dobson*
Lampronycteris_brachyotis	*1878*	*Dobson*
Myonycteris_torquata	*1878*	*Dobson*
Myotis_australis	*1878*	*Dobson*
Myotis_insularum	*1878*	*Dobson*
Phoniscus_papuensis	*1878*	*Dobson*
Pipistrellus_maderensis	*1878*	*Dobson*
Pteropus_brunneus	*1878*	*Dobson*
Pteropus_lombocensis	*1878*	*Dobson*
Pteropus_rodricensis	*1878*	*Dobson*
Vampyressa_bidens	*1878*	*Dobson*
Maxomys_hellwaldii	*1878*	*Jentink*
Maxomys_musschenbroekii	*1878*	*Jentink*
Peroryctes_raffrayana	*1878*	*Milne-Edwards*
Saguinus_tripartitus	*1878*	*Milne-Edwards*
Myzopoda_aurita	*1878*	*Milne-Edwards & A. Grandidier*
Elephantulus_rufescens	*1878*	*Peters*
Platymops_setiger	*1878*	*Peters*
Rhinolophus_hildebrandtii	*1878*	*Peters*
Brachyuromys_betsileoensis	*1879*	*Bartlett*
Epomophorus_minor	*1879*	*Dobson*
Microtus_gerbei	*1879*	*Gerbe*
Microtus_lusitanicus	*1879*	*Gerbe*
Hystrix_pumila	*1879*	*Gª nther*

Olallamys_albicauda	*1879*	*Gᵅnther*
Rattus_everetti	*1879*	*Gᵅnther*
Balaenoptera_edeni	*1879*	*J. Anderson*
Berylmys_bowersi	*1879*	*J. Anderson*
Chaerephon_bemmeleni	*1879*	*Jentink*
Lenomys_meyeri	*1879*	*Jentink*
Nesomys_audeberti	*1879*	*Jentink*
Niviventer_lepturus	*1879*	*Jentink*
Prosciurillus_rosenbergii	*1879*	*Jentink*
Rousettus_bidens	*1879*	*Jentink*
Sundamys_muelleri	*1879*	*Jentink*
Taeromys_callitrichus	*1879*	*Jentink*
Cercocebus_galeritus	*1879*	*Peters*
Gerbilliscus_nigricaudus	*1879*	*Peters*
Gerbillus_pusillus	*1879*	*Peters*
Piliocolobus_rufomitratus	*1879*	*Peters*
Peroryctes_broadbenti	*1879*	*Ramsay*
Alticola_argentatus	*1879*	*Severtzov*
Neodon_juldaschi	*1879*	*Severtzov*
Rhynchocyon_petersi	*1880*	*Bocage*
Microtus_guentheri	*1880*	*Danford & Alston*
Chilonatalus_micropus	*1880*	*Dobson*
Macroderma_gigas	*1880*	*Dobson*
Penthetor_lucasi	*1880*	*Dobson*
Nyctalus_plancyi	*1880*	*Gerbe*
Euroscaptor_mizura	*1880*	*Gᵅnther*
Madoqua_kirkii	*1880*	*Gᵅnther*
Paraxerus_ochraceus	*1880*	*Huet*
Margaretamys_beccarii	*1880*	*Jentink*
Pachyuromys_duprasi	*1880*	*Lataste*
Murina_hilgendorfi	*1880*	*Peters*

Pipistrellus_angulatus	*1880*	*Peters*
Platyrrhinus_infuscus	*1880*	*Peters*
Vespertilio_sinensis	*1880*	*Peters*
Dasyurus_albopunctatus	*1880*	*Schlegel*
Nesolagus_netscheri	*1880*	*Schlegel*
Bassaricyon_alleni	*1880*	*Thomas*
Kerivoula_smithii	*1880*	*Thomas*
Neoromicia_brunneus	*1880*	*Thomas*
Sigmodon_alstoni	*1880*	*Thomas*
Hyperacrius_wynnei	*1881*	*Blanford*
Rhynchocyon_chrysopygus	*1881*	*Gªnther*
Elephantulus_revoili	*1881*	*Huet*
Dipodillus_simoni	*1881*	*Lataste*
Gerbillus_garamantis	*1881*	*Lataste*
Massoutiera_mzabi	*1881*	*Lataste*
Scotophilus_robustus	*1881*	*Milne-Edwards*
Triaenops_rufus	*1881*	*Milne-Edwards*
Cryptomys_mechowi	*1881*	*Peters*
Mormopterus_beccarii	*1881*	*Peters*
Emballonura_beccarii	*1881*	*Peters & Doria*
Pipistrellus_papuanus	*1881*	*Peters & Doria*
Microtus_middendorffii	*1881*	*Poljakov*
Murina_tubinaris	*1881*	*Scully*
Allactaga_euphratica	*1881*	*Thomas*
Madromys_blanfordi	*1881*	*Thomas*
Praomys_morio	*1881*	*Trouessart*
Cephalorhynchus_hectori	*1881*	*van Beneden*
Genetta_angolensis	*1882*	*Bocage*
Otomys_anchietae	*1882*	*Bocage*
Hyperoodon_planifrons	*1882*	*Flower*
Dipodillus_bottai	*1882*	*Lataste*

Oryzorictes_tetradactylus	*1882*	*Milne-Edwards & A. Grandidier*
Equus_grevyi	*1882*	*Oustalet*
Mus_spicilegus	*1882*	*Pet_nyi*
Sphaeronycteris_toxophyllum	*1882*	*Peters*
Atelocynus_microtis	*1882*	*Sclater*
Leopoldamys_edwardsi	*1882*	*Thomas*
Mastacomys_fuscus	*1882*	*Thomas*
Microgale_cowani	*1882*	*Thomas*
Microgale_longicaudata	*1882*	*Thomas*
Neacomys_spinosus	*1882*	*Thomas*
Thallomys_nigricauda	*1882*	*Thomas*
Thomasomys_cinereus	*1882*	*Thomas*
Thomasomys_taczanowskii	*1882*	*Thomas*
Petaurus_gracilis	*1883*	*de Vis*
Hippopotamus_madagascariensis	*1883*	*Guldberg*
Mus_spretus	*1883*	*Lataste*
Trichechus_inunguis	*1883*	*Natterer*
Talpa_altaica	*1883*	*Nikolsky*
Nectomys_rattus	*1883*	*Pelzen*
Pteropus_ualanus	*1883*	*Peters*
Przewalskium_albirostris	*1883*	*Przewalski*
Dendrolagus_dorianus	*1883*	*Ramsay*
Solomys_salamonis	*1883*	*Ramsay*
Berardius_bairdii	*1883*	*Stejneger*
Ellobius_tancrei	*1884*	*Blasius*
Dendrolagus_lumholtzi	*1884*	*Collett*
Hemibelideus_lemuroides	*1884*	*Collett*
Pseudochirops_archeri	*1884*	*Collett*
Pseudochirulus_herbertensis	*1884*	*Collett*
Eudorcas_thomsonii	*1884*	*G^{o}nther*
Pseudochirulus_schlegeli	*1884*	*Jentink*

Sorex_bendirii	*1884*	*Merriam*
Talpa_davidiana	*1884*	*Milne-Edwards*
Jaculus_blanfordi	*1884*	*Murray*
Ovis_dalli	*1884*	*Nelson*
Auliscomys_pictus	*1884*	*Thomas*
Calomys_lepidus	*1884*	*Thomas*
Microgale_dobsoni	*1884*	*Thomas*
Oryzomys_nitidus	*1884*	*Thomas*
Neofiber_alleni	*1884*	*TRUE*
Paradoxurus_jerdoni	*1885*	*Blanford*
Calcochloris_leucorhinus	*1885*	*Huet*
Dorcopsulus_macleayi	*1885*	*Miklouho-Maclay*
Eliurus_myoxinus	*1885*	*Milne-Edwards*
Myotis_oxygnathus	*1885*	*Monticelli*
Millardia_gleadowi	*1885*	*Murray*
Crocidura_fischeri	*1885*	*Pagenstecher*
Megaloglossus_woermanni	*1885*	*Pagenstecher*
Malacomys_edwardsi	*1885*	*Rochebrune*
Muntiacus_crinifrons	*1885*	*Sclater*
Peromyscus_truei	*1885*	*Shufeldt*
Mesoplodon_stejnegeri	*1885*	*TRUE*
Phocoenoides_dalli	*1885*	*TRUE*
Dendrolagus_bennettianus	*1886*	*de Vis*
Crocidura_paradoxura	*1886*	*Dobson*
Felovia_vae	*1886*	*Lataste*
Myotis_ciliolabrum	*1886*	*Merriam*
Cercocebus_agilis	*1886*	*Milne-Edwards*
Piliocolobus_tholloni	*1886*	*Milne-Edwards*
Gerbillus_gleadowi	*1886*	*Murray*
Sus_philippensis	*1886*	*Nehring*
Paraxerus_boehmi	*1886*	*Reichenow*

Hadromys_humei	*1886*	*Thomas*
Phascolosorex_doriae	*1886*	*Thomas*
Rhagomys_rufescens	*1886*	*Thomas*
Thomasomys_pyrrhonotus	*1886*	*Thomas*
Hipposideros_muscinus	*1886*	*Thomas & Doria*
Hipposideros_papua	*1886*	*Thomas & Doria*
Dymecodon_pilirostris	*1886*	*TRUE*
Crocidura_thomensis	*1887*	*Bocage*
Crocidura_beccarii	*1887*	*Dobson*
Sylvisorex_johnstoni	*1887*	*Dobson*
Bunomys_chrysocomus	*1887*	*Hoffmann*
Mydaus_marchei	*1887*	*Huet*
Neotoma_bryanti	*1887*	*Merriam*
Ctenomys_minutus	*1887*	*Nehring*
Aethomys_kaiseri	*1887*	*Noack*
Gerbilliscus_boehmi	*1887*	*Noack*
Graphiurus_microtis	*1887*	*Noack*
Isoodon_auratus	*1887*	*Ramsay*
Melomys_burtoni	*1887*	*Ramsay*
Thylogale_browni	*1887*	*Ramsay*
Dipodomys_deserti	*1887*	*Stephens*
Anomalurus_pusillus	*1887*	*Thomas*
Baiomys_taylori	*1887*	*Thomas*
Exilisciurus_whiteheadi	*1887*	*Thomas*
Leopoldamys_sabanus	*1887*	*Thomas*
Macrotis_leucura	*1887*	*Thomas*
Melonycteris_woodfordi	*1887*	*Thomas*
Pseudochirulus_forbesi	*1887*	*Thomas*
Rattus_macleari	*1887*	*Thomas*
Sundasciurus_jentinki	*1887*	*Thomas*
Akodon_cursor	*1887*	*Winge*

Bibimys_labiosus	*1887*	*Winge*
Blarinomys_breviceps	*1887*	*Winge*
Calomys_tener	*1887*	*Winge*
Kunsia_fronto	*1887*	*Winge*
Lundomys_molitor	*1887*	*Winge*
Pseudoryzomys_simplex	*1887*	*Winge*
Episoriculus_macrurus	*1888*	*Blanford*
Spermophilus_alashanicus	*1888*	*B^{a}chner*
Crocidura_trichura	*1888*	*Dobson*
Suncus_dayi	*1888*	*Dodson*
Axis_calamianensis	*1888*	*Heude*
Bubalus_mindorensis	*1888*	*Heude*
Sus_cebifrons	*1888*	*Heude*
Pelomys_campanae	*1888*	*Huet*
Sus_ahoenobarbus	*1888*	*Huet*
Crocidura_brunnea	*1888*	*Jentink*
Crocidura_buettikoferi	*1888*	*Jentink*
Crocidura_vosmaeri	*1888*	*Jentink*
Graphiurus_crassicaudatus	*1888*	*Jentink*
Graphiurus_nagtglasii	*1888*	*Jentink*
Nanonycteris_veldkampii	*1888*	*Jentink*
Petinomys_hageni	*1888*	*Jentink*
Suncus_megalura	*1888*	*Jentink*
Microtus_longicaudus	*1888*	*Merriam*
Spermophilus_beldingi	*1888*	*Merriam*
Vulpes_macrotis	*1888*	*Merriam*
Dactylopsila_palpator	*1888*	*Milne-Edwards*
Trichosurus_johnstonii	*1888*	*Ramsay*
Anthops_ornatus	*1888*	*Thomas*
Cercartetus_lepidus	*1888*	*Thomas*
Chiruromys_forbesi	*1888*	*Thomas*

Deomys_ferrugineus	*1888*	*Thomas*
Eupetaurus_cinereus	*1888*	*Thomas*
Exilisciurus_concinnus	*1888*	*Thomas*
Lophuromys_flavopunctatus	*1888*	*Thomas*
Marmosa_lepida	*1888*	*Thomas*
Maxomys_alticola	*1888*	*Thomas*
Monodelphis_iheringi	*1888*	*Thomas*
Monodelphis_scalops	*1888*	*Thomas*
Nyctophilus_microtis	*1888*	*Thomas*
Pteralopex_atrata	*1888*	*Thomas*
Pteropus_woodfordi	*1888*	*Thomas*
Rattus_nativitatis	*1888*	*Thomas*
Rattus_praetor	*1888*	*Thomas*
Sundamys_infraluteus	*1888*	*Thomas*
Uromys_imperator	*1888*	*Thomas*
Uromys_rex	*1888*	*Thomas*
Geocapromys_thoracatus	*1888*	*TRUE*
Crocidura_nigricans	*1889*	*Bocage*
Epomops_dobsonii	*1889*	*Bocage*
Galerella_flavescens	*1889*	*Bocage*
Myonycteris_brachycephala	*1889*	*Bocage*
Neoromicia_guineensis	*1889*	*Bocage*
Brachiones_przewalskii	*1889*	*Bªchner*
Eolagurus_przewalskii	*1889*	*Bªchner*
Lasiopodomys_fuscus	*1889*	*Bªchner*
Microtus_fortis	*1889*	*Bªchner*
Microtus_limnophilus	*1889*	*Bªchner*
Podomys_floridanus	*1889*	*Chapman*
Leopardus_braccatus	*1889*	*Cope*
Sigmodon_fulviventer	*1889*	*J.A. Allen*
Tamias_bulleri	*1889*	*J.A. Allen*

Tamias_merriami	*1889*	*J.A. Allen*
Ammospermophilus_leucurus	*1889*	*Merriam*
Chaetodipus_californicus	*1889*	*Merriam*
Chaetodipus_fallax	*1889*	*Merriam*
Chaetodipus_formosus	*1889*	*Merriam*
Chaetodipus_intermedius	*1889*	*Merriam*
Chaetodipus_spinatus	*1889*	*Merriam*
Nyctinomops_femorosaccus	*1889*	*Merriam*
Perognathus_flavescens	*1889*	*Merriam*
Perognathus_inornatus	*1889*	*Merriam*
Phenacomys_intermedius	*1889*	*Merriam*
Phenacomys_ungava	*1889*	*Merriam*
Spermophilus_mohavensis	*1889*	*Merriam*
Beatragus_hunteri	*1889*	*P.L. Sclater*
Notoryctes_typhlops	*1889*	*Stirling*
Neoromicia_rendalli	*1889*	*Thomas*
Presbytis_hosei	*1889*	*Thomas*
Vampyrodes_caraccioli	*1889*	*Thomas*
Xeromys_myoides	*1889*	*Thomas*
Zyzomys_argurus	*1889*	*Thomas*
Muntiacus_feae	*1889*	*Thomas & Doria*
Spermophilus_atricapillus	*1889*	*W.E. Bryant*
Dipodomys_compactus	*1889*	*TRUE*
Geomys_personatus	*1889*	*TRUE*
Eulemur_cinereiceps	*1890*	*A. Grandidier & Milne-Edwards*
Funisciurus_bayonii	*1890*	*Bocage*
Gerbilliscus_validus	*1890*	*Bocage*
Myomyscus_angolensis	*1890*	*Bocage*
Ochotona_erythrotis	*1890*	*B^{a}chner*
Crocidura_grayi	*1890*	*Dobson*
Crocidura_lasiura	*1890*	*Dobson*

Crocidura_nana	*1890*	*Dobson*
Sorex_merriami	*1890*	*Dobson*
Sorex_unguiculatus	*1890*	*Dobson*
Carollia_castanea	*1890*	*H. Allen*
Myotis_velifer	*1890*	*J.A. Allen*
Sciurus_nayaritensis	*1890*	*J.A. Allen*
Sylvilagus_floridanus	*1890*	*J.A. Allen*
Tamias_amoenus	*1890*	*J.A. Allen*
Tamias_cinereicollis	*1890*	*J.A. Allen*
Tamias_obscurus	*1890*	*J.A. Allen*
Tamias_senex	*1890*	*J.A. Allen*
Tamias_umbrinus	*1890*	*J.A. Allen*
Crocidura_orientalis	*1890*	*Jentink*
Hylopetes_platyurus	*1890*	*Jentink*
Hypsugo_vordermanni	*1890*	*Jentink*
Petinomys_vordermanni	*1890*	*Jentink*
Prosciurillus_weberi	*1890*	*Jentink*
Dipodomys_merriami	*1890*	*Mearns*
Lepus_alleni	*1890*	*Mearns*
Sigmodon_arizonae	*1890*	*Mearns*
Ammospermophilus_interpres	*1890*	*Merriam*
Cynomys_leucurus	*1890*	*Merriam*
Dipodomys_californicus	*1890*	*Merriam*
Dipodomys_spectabilis	*1890*	*Merriam*
Myodes_californicus	*1890*	*Merriam*
Myotis_melanorhinus	*1890*	*Merriam*
Sorex_monticolus	*1890*	*Merriam*
Spilogale_gracilis	*1890*	*Merriam*
Tamias_speciosus	*1890*	*Merriam*
Phloeomys_pallidus	*1890*	*Nehring*
Lophocebus_aterrimus	*1890*	*Oudemans*

Graphiurus_kelleni	*1890*	*Reuvens*
Euchoreutes_naso	*1890*	*Sclater*
Sundasciurus_mindanensis	*1890*	*Steere*
Sundasciurus_samarensis	*1890*	*Steere*
Dremomys_everetti	*1890*	*Thomas*
Dyacopterus_spadiceus	*1890*	*Thomas*
Funisciurus_anerythrus	*1890*	*Thomas*
Notiomys_edwardsii	*1890*	*Thomas*
Oryzomys_auriventer	*1890*	*Thomas*
Scotoecus_albofuscus	*1890*	*Thomas*
Arborimus_longicaudus	*1890*	*TRUE*
Cephalophus_spadix	*1890*	*TRUE*
Cercopithecus_wolfi	*1891*	*A. Meyer*
Hipposideros_thomensis	*1891*	*Bocage*
Procapra_przewalskii	*1891*	*B^{a}chner*
Napaeozapus_insignis	*1891*	*G.S. Miller*
Euderma_maculatum	*1891*	*J.A. Allen*
Geocapromys_ingrahami	*1891*	*J.A. Allen*
Oryzomys_alfaroi	*1891*	*J.A. Allen*
Oryzomys_talamancae	*1891*	*J.A. Allen*
Peromyscus_difficilis	*1891*	*J.A. Allen*
Peromyscus_nasutus	*1891*	*J.A. Allen*
Brachylagus_idahoensis	*1891*	*Merriam*
Microdipodops_megacephalus	*1891*	*Merriam*
Peromyscus_crinitus	*1891*	*Merriam*
Ammodorcas_clarkei	*1891*	*Thomas*
Ardops_nichollsi	*1891*	*Thomas*
Chiroderma_doriae	*1891*	*Thomas*
Chiromyscus_chiropus	*1891*	*Thomas*
Eothenomys_chinensis	*1891*	*Thomas*
Hipposideros_pratti	*1891*	*Thomas*

Mimetillus_moloneyi	*1891*	*Thomas*
Otomys_jacksoni	*1891*	*Thomas*
Sphaerias_blanfordi	*1891*	*Thomas*
Tachyoryctes_annectens	*1891*	*Thomas*
Tadarida_lobata	*1891*	*Thomas*
Lepus_insularis	*1891*	*W. Bryant*
Ichthyomys_hydrobates	*1891*	*Winge*
Sicista_concolor	*1892*	*Bªchner*
Presbytis_thomasi	*1892*	*Collett*
Peromyscus_fraterculus	*1892*	*G.S. Miller*
Ectophylla_alba	*1892*	*H. Allen*
Sus_bucculentus	*1892*	*Heude*
Perognathus_merriami	*1892*	*J.A. Allen*
Papagomys_armandvillei	*1892*	*Jentink*
Sousa_teuszii	*1892*	*Kªkenthal*
Myotis_atacamensis	*1892*	*Lataste*
Baiomys_musculus	*1892*	*Merriam*
Cratogeomys_fumosus	*1892*	*Merriam*
Cratogeomys_gymnurus	*1892*	*Merriam*
Cynomys_mexicanus	*1892*	*Merriam*
Hodomys_alleni	*1892*	*Merriam*
Sorex_oreopolus	*1892*	*Merriam*
Sorex_saussurei	*1892*	*Merriam*
Xenomys_nelsoni	*1892*	*Merriam*
Felis_bieti	*1892*	*Milne-Edwards*
Acomys_wilsoni	*1892*	*Thomas*
Cephalophus_jentinki	*1892*	*Thomas*
Dendrogale_melanura	*1892*	*Thomas*
Diplogale_hosei	*1892*	*Thomas*
Enchisthenes_hartii	*1892*	*Thomas*
Lariscus_hosei	*1892*	*Thomas*

Lepus_coreanus	*1892*	*Thomas*
Meriones_tristrami	*1892*	*Thomas*
Nomascus_hainanus	*1892*	*Thomas*
Nyctophilus_walkeri	*1892*	*Thomas*
Pappogeomys_bulleri	*1892*	*Thomas*
Praomys_daltoni	*1892*	*Thomas*
Rhogeessa_alleni	*1892*	*Thomas*
Sekeetamys_calurus	*1892*	*Thomas*
Steatomys_bocagei	*1892*	*Thomas*
Sundasciurus_brookei	*1892*	*Thomas*
Sundasciurus_lowii	*1892*	*Thomas*
Taterillus_emini	*1892*	*Thomas*
Taterillus_gracilis	*1892*	*Thomas*
Tragulus_nigricans	*1892*	*Thomas*
Tupaia_montana	*1892*	*Thomas*
Tupaia_picta	*1892*	*Thomas*
Urogale_everetti	*1892*	*Thomas*
Heliosciurus_undulatus	*1892*	*TRUE*
Lophuromys_aquilus	*1892*	*TRUE*
Zapus_princeps	*1893*	*Allen*
Romerolagus_diazi	*1893*	*Ferrari-P_rez*
Orthogeomys_cherriei	*1893*	*J.A. Allen*
Thomomys_monticola	*1893*	*J.A. Allen*
Tlacuatzin_canescens	*1893*	*J.A. Allen*
Nectomys_palmipes	*1893*	*J.A. Allen & Chapman*
Oecomys_speciosus	*1893*	*J.A. Allen & Chapman*
Oecomys_trinitatis	*1893*	*J.A. Allen & Chapman*
Proechimys_trinitatus	*1893*	*J.A. Allen & Chapman*
Rhipidomys_couesi	*1893*	*J.A. Allen & Chapman*
Zygodontomys_brevicauda	*1893*	*J.A. Allen & Chapman*
Diaemus_youngi	*1893*	*Jentink*

Galago_zanzibaricus	*1893*	*Matschie*
Leimacomys_buettneri	*1893*	*Matschie*
Ammospermophilus_nelsoni	*1893*	*Merriam*
Spermophilus_perotensis	*1893*	*Merriam*
Tamias_alpinus	*1893*	*Merriam*
Tamias_panamintinus	*1893*	*Merriam*
Ochotona_collaris	*1893*	*Nelson*
Hipposideros_ruber	*1893*	*Noack*
Dologale_dybowskii	*1893*	*Pousargues*
Mylomys_dybowskii	*1893*	*Pousargues*
Artibeus_glaucus	*1893*	*Thomas*
Balionycteris_maculata	*1893*	*Thomas*
Chiropodomys_major	*1893*	*Thomas*
Chiropodomys_pusillus	*1893*	*Thomas*
Cratogeomys_merriami	*1893*	*Thomas*
Haeromys_margarettae	*1893*	*Thomas*
Haeromys_pusillus	*1893*	*Thomas*
Hylopetes_nigripes	*1893*	*Thomas*
Ichthyomys_stolzmanni	*1893*	*Thomas*
Liomys_pictus	*1893*	*Thomas*
Liomys_salvini	*1893*	*Thomas*
Mormopterus_kalinowskii	*1893*	*Thomas*
Neotoma_lepida	*1893*	*Thomas*
Neotoma_macrotis	*1893*	*Thomas*
Orthogeomys_grandis	*1893*	*Thomas*
Oryzomys_melanotis	*1893*	*Thomas*
Suncus_hosei	*1893*	*Thomas*
Tupaia_gracilis	*1893*	*Thomas*
Tupaia_longipes	*1893*	*Thomas*
Stochomys_longicaudatus	*1893*	*Tullberg*
Pteropus_aldabrensis	*1893*	*TRUE*

Ochotona_koslowi	*1894*	*Bª chner*
Lepilemur_edwardsi	*1894*	*Forbes*
Lepilemur_microdon	*1894*	*Forsyth Major*
Microtus_chrotorrhinus	*1894*	*G.S. Miller*
Neotoma_albigula	*1894*	*Hartley*
Reithrodontomys_fulvescens	*1894*	*J.A. Allen*
Lepilemur_leucopus	*1894*	*Major*
Arvicanthis_neumanni	*1894*	*Matschie*
Chrysochloris_stuhlmanni	*1894*	*Matschie*
Idiurus_zenkeri	*1894*	*Matschie*
Scotonycteris_zenkeri	*1894*	*Matschie*
Dorcatragus_megalotis	*1894*	*Menges*
Chaetodipus_arenarius	*1894*	*Merriam*
Chaetodipus_baileyi	*1894*	*Merriam*
Chaetodipus_nelsoni	*1894*	*Merriam*
Dipodomys_elator	*1894*	*Merriam*
Dipodomys_nitratoides	*1894*	*Merriam*
Dipodomys_panamintinus	*1894*	*Merriam*
Neotoma_leucodon	*1894*	*Merriam*
Mesocricetus_raddei	*1894*	*Nehring*
Steatomys_opimus	*1894*	*Pousargues*
Peromyscus_keeni	*1894*	*Rhoades*
Perognathus_alticolus	*1894*	*Rhoads*
Zapus_trinotatus	*1894*	*Rhoads*
Abrothrix_jelskii	*1894*	*Thomas*
Akodon_mollis	*1894*	*Thomas*
Bdeogale_jacksoni	*1894*	*Thomas*
Calomys_venustus	*1894*	*Thomas*
Chaetophractus_nationi	*1894*	*Thomas*
Chelemys_macronyx	*1894*	*Thomas*
Dromiciops_gliroides	*1894*	*Thomas*

Elephantulus_fuscipes	*1894*	*Thomas*
Eudorcas_rufina	*1894*	*Thomas*
Hemitragus_jayakari	*1894*	*Thomas*
Kerivoula_whiteheadi	*1894*	*Thomas*
Madoqua_guentheri	*1894*	*Thomas*
Maxomys_baeodon	*1894*	*Thomas*
Maxomys_ochraceiventer	*1894*	*Thomas*
Maxomys_rajah	*1894*	*Thomas*
Maxomys_whiteheadi	*1894*	*Thomas*
Myotis_ricketti	*1894*	*Thomas*
Necromys_punctulatus	*1894*	*Thomas*
Neotomys_ebriosus	*1894*	*Thomas*
Oecomys_flavicans	*1894*	*Thomas*
Oryzomys_meridensis	*1894*	*Thomas*
Oryzomys_xanthaeolus	*1894*	*Thomas*
Peromyscus_gymnotis	*1894*	*Thomas*
Phaenomys_ferrugineus	*1894*	*Thomas*
Praomys_tullbergi	*1894*	*Thomas*
Pteropus_admiralitatum	*1894*	*Thomas*
Rattus_baluensis	*1894*	*Thomas*
Thomasomys_incanus	*1894*	*Thomas*
Thomasomys_kalinowskii	*1894*	*Thomas*
Thryonomys_gregorianus	*1894*	*Thomas*
Tupaia_palawanensis	*1894*	*Thomas*
Presbytis_natunae	*1894*	*Thomas & Hartet*
Alticola_albicaudus	*1894*	*TRUE*
Alticola_montosa	*1894*	*TRUE*
Hyperacrius_fertilis	*1894*	*TRUE*
Sylvilagus_transitionalis	*1895*	*Bangs*
Crateromys_schadenbergi	*1895*	*C. Meyer*
Petropseudes_dahli	*1895*	*Collett*

Sorex_fumeus	*1895*	*G.S. Miller*
Atelerix_sclateri	*1895*	*J. Anderson*
Cryptotis_nigrescens	*1895*	*J.A. Allen*
Cryptotis_orophila	*1895*	*J.A. Allen*
Microsciurus_alfari	*1895*	*J.A. Allen*
Peromyscus_attwateri	*1895*	*J.A. Allen*
Crocidura_nigrofusca	*1895*	*Matschie*
Blarina_peninsulae	*1895*	*Merriam*
Cratogeomys_goldmani	*1895*	*Merriam*
Cratogeomys_tylorhinus	*1895*	*Merriam*
Cryptotis_alticola	*1895*	*Merriam*
Cryptotis_goldmani	*1895*	*Merriam*
Cryptotis_magna	*1895*	*Merriam*
Cryptotis_nelsoni	*1895*	*Merriam*
Cryptotis_obscura	*1895*	*Merriam*
Cryptotis_peregrina	*1895*	*Merriam*
Cryptotis_tropicalis	*1895*	*Merriam*
Geomys_arenarius	*1895*	*Merriam*
Geomys_attwateri	*1895*	*Merriam*
Geomys_texensis	*1895*	*Merriam*
Myotis_keenii	*1895*	*Merriam*
Sorex_bairdi	*1895*	*Merriam*
Sorex_macrodon	*1895*	*Merriam*
Sorex_nanus	*1895*	*Merriam*
Sorex_orizabae	*1895*	*Merriam*
Sorex_ornatus	*1895*	*Merriam*
Sorex_pribilofensis	*1895*	*Merriam*
Sorex_stizodon	*1895*	*Merriam*
Sorex_tenellus	*1895*	*Merriam*
Sorex_ventralis	*1895*	*Merriam*
Zygogeomys_trichopus	*1895*	*Merriam*

Lasiurus_seminolus	*1895*	*Rhoads*
Spermophilus_saturatus	*1895*	*Rhoads*
Sorex_raddei	*1895*	*Satunin*
Sminthopsis_psammophila	*1895*	*Spencer*
Akodon_bogotensis	*1895*	*Thomas*
Batomys_granti	*1895*	*Thomas*
Bullimus_luzonicus	*1895*	*Thomas*
Callosciurus_melanogaster	*1895*	*Thomas*
Callosciurus_orestes	*1895*	*Thomas*
Carpomys_melanurus	*1895*	*Thomas*
Carpomys_phaeurus	*1895*	*Thomas*
Chilomys_instans	*1895*	*Thomas*
Chrotomys_silaceus	*1895*	*Thomas*
Chrotomys_whiteheadi	*1895*	*Thomas*
Crocidura_crossei	*1895*	*Thomas*
Crocidura_silacea	*1895*	*Thomas*
Crocidura_smithii	*1895*	*Thomas*
Crocidura_somalica	*1895*	*Thomas*
Cryptomys_darlingi	*1895*	*Thomas*
Dremomys_pyrrhomerus	*1895*	*Thomas*
Eliurus_majori	*1895*	*Thomas*
Leopoldamys_siporanus	*1895*	*Thomas*
Lichonycteris_obscura	*1895*	*Thomas*
Melogale_everetti	*1895*	*Thomas*
Petinomys_lugens	*1895*	*Thomas*
Phalanger_intercastellanus	*1895*	*Thomas*
Rhynchomys_soricoides	*1895*	*Thomas*
Suncus_varilla	*1895*	*Thomas*
Sundasciurus_fraterculus	*1895*	*Thomas*
Thomasomys_laniger	*1895*	*Thomas*
Gerbillus_famulus	*1895*	*Yerbury & Thomas*

Gerbillus_poecilops	*1895*	*Yerbury & Thomas*
Meriones_rex	*1895*	*Yerbury & Thomas*
Burramys_parvus	*1896*	*Broom*
Aethomys_chrysophilus	*1896*	*de Winton*
Lophuromys_ansorgei	*1896*	*de Winton*
Paracynictis_selousi	*1896*	*de Winton*
Pudu_mephistophiles	*1896*	*de Winton*
Cheirogaleus_sibreei	*1896*	*Forsyth Major*
Dobsonia_viridis	*1896*	*Heude*
Brachyuromys_ramirohitra	*1896*	*Major*
Eliurus_minor	*1896*	*Major*
Eliurus_tanala	*1896*	*Major*
Gymnuromys_roberti	*1896*	*Major*
Limnogale_mergulus	*1896*	*Major*
Microgale_gracilis	*1896*	*Major*
Microgale_pusilla	*1896*	*Major*
Microgale_taiva	*1896*	*Major*
Microgale_talazaci	*1896*	*Major*
Microgale_thomasi	*1896*	*Major*
Onychomys_arenicola	*1896*	*Mearns*
Peromyscus_merriami	*1896*	*Mearns*
Eligmodontia_puerulus	*1896*	*Philippi*
Eozapus_setchuanus	*1896*	*Pousargues*
Gerbillus_pulvinatus	*1896*	*Rhoads*
Mus_mahomet	*1896*	*Rhoads*
Steatomys_parvus	*1896*	*Rhoads*
Dasyuroides_byrnei	*1896*	*Spencer*
Pseudantechinus_macdonnellensis	*1896*	*Spencer*
Acomys_louisae	*1896*	*Thomas*
Aepeomys_lugens	*1896*	*Thomas*
Brucepattersonius_iheringi	*1896*	*Thomas*

Bunomys_coelestis	*1896*	*Thomas*
Bunomys_fratrorum	*1896*	*Thomas*
Eligmodontia_moreni	*1896*	*Thomas*
Glyphonycteris_sylvestris	*1896*	*Thomas*
Haeromys_minahassae	*1896*	*Thomas*
Harpyionycteris_whiteheadi	*1896*	*Thomas*
Marmosops_fuscatus	*1896*	*Thomas*
Phalanger_lullulae	*1896*	*Thomas*
Raphicerus_sharpei	*1896*	*Thomas*
Rhinolophus_creaghi	*1896*	*Thomas*
Rhipidomys_fulviventer	*1896*	*Thomas*
Rhipidomys_venezuelae	*1896*	*Thomas*
Thomasomys_niveipes	*1896*	*Thomas*
Pseudomys_fieldi	*1896*	*Waite*
Pseudomys_hermannsburgensis	*1896*	*Waite*
Zyzomys_pedunculatus	*1896*	*Waite*
Scapanus_orarius	*1896*	*TRUE*
Tarsius_sangirensis	*1897*	*A. Meyer*
Trichosurus_arnhemensis	*1897*	*Collett*
Aethomys_thomasi	*1897*	*de Winton*
Crocidura_whitakeri	*1897*	*de Winton*
Cryptomys_bocagei	*1897*	*de Winton*
Graphiurus_angolensis	*1897*	*de Winton*
Praomys_jacksoni	*1897*	*de Winton*
Rhabdomys_dilectus	*1897*	*de Winton*
Microtus_canicaudus	*1897*	*G.S. Miller*
Myotis_thysanodes	*1897*	*G.S. Miller*
Rhogeessa_gracilis	*1897*	*G.S. Miller*
Rhogeessa_minutilla	*1897*	*G.S. Miller*
Dorcopsis_hageni	*1897*	*Heller*
Osgoodomys_banderanus	*1897*	*J.A. Allen*

Peromyscus_spicilegus	*1897*	*J.A. Allen*
Sigmodon_mascotensis	*1897*	*J.A. Allen*
Sigmodon_peruanus	*1897*	*J.A. Allen*
Sigmodontomys_alfari	*1897*	*J.A. Allen*
Heteromys_gaumeri	*1897*	*J.A. Allen & Chapman*
Necromys_urichi	*1897*	*J.A. Allen & Chapman*
Peromyscus_furvus	*1897*	*J.A. Allen & Chapman*
Peromyscus_melanotis	*1897*	*J.A. Allen & Chapman*
Peromyscus_yucatanicus	*1897*	*J.A. Allen & Chapman*
Reithrodontomys_gracilis	*1897*	*J.A. Allen & Chapman*
Otomops_martiensseni	*1897*	*Matschie*
Arctocephalus_townsendi	*1897*	*Merriam*
Cryptotis_thomasi	*1897*	*Merriam*
Marmosa_mexicana	*1897*	*Merriam*
Megasorex_gigas	*1897*	*Merriam*
Nelsonia_neotomodon	*1897*	*Merriam*
Sorex_sclateri	*1897*	*Merriam*
Tamias_ochrogenys	*1897*	*Merriam*
Tamias_palmeri	*1897*	*Merriam*
Thomomys_mazama	*1897*	*Merriam*
Rhinopithecus_bieti	*1897*	*Milne-Edwards*
Spalax_ehrenbergi	*1897*	*Nehring*
Rhinolophus_maclaudi	*1897*	*Pousargues*
Myotis_austroriparius	*1897*	*Rhoads*
Perameles_eremiana	*1897*	*Spencer*
Abrothrix_lanosus	*1897*	*Thomas*
Aethomys_nyikae	*1897*	*Thomas*
Akodon_albiventer	*1897*	*Thomas*
Akodon_spegazzinii	*1897*	*Thomas*
Allactaga_williamsi	*1897*	*Thomas*
Balantiopteryx_infusca	*1897*	*Thomas*

Chibchanomys_trichotis	*1897*	*Thomas*
Chiruromys_lamia	*1897*	*Thomas*
Crunomys_fallax	*1897*	*Thomas*
Dasyprocta_kalinowskii	*1897*	*Thomas*
Ellobius_lutescens	*1897*	*Thomas*
Graphiurus_johnstoni	*1897*	*Thomas*
Graphiurus_platyops	*1897*	*Thomas*
Hoplomys_gymnurus	*1897*	*Thomas*
Lasiurus_xanthinus	*1897*	*Thomas*
Leptomys_elegans	*1897*	*Thomas*
Monodelphis_adusta	*1897*	*Thomas*
Mormopterus_loriae	*1897*	*Thomas*
Nectomys_magdalenae	*1897*	*Thomas*
Paramelomys_levipes	*1897*	*Thomas*
Paraxerus_lucifer	*1897*	*Thomas*
Pogonomys_loriae	*1897*	*Thomas*
Pseudochirops_corinnae	*1897*	*Thomas*
Pseudochirops_coronatus	*1897*	*Thomas*
Pseudochirops_cupreus	*1897*	*Thomas*
Spilogale_pygmaea	*1897*	*Thomas*
Suncus_lixus	*1897*	*Thomas*
Tamiasciurus_mearnsi	*1897*	*Townsend*
Chaerephon_major	*1897*	*Trouessart*
Myotis_septentrionalis	*1897*	*Trouessart*
Pseudomys_higginsi	*1897*	*Trouessart*
Marmosa_robinsoni	*1898*	*Bangs*
Lissonycteris_angolensis	*1898*	*Bocage*
Mus_famulus	*1898*	*Bonhote*
Ammodillus_imbellis	*1898*	*de Winton*
Gerbilliscus_phillipsi	*1898*	*de Winton*
Lepus_corsicanus	*1898*	*de Winton*

Microdillus_peeli	*1898*	*de Winton*
Alticola_lemminus	*1898*	*G.S. Miller*
Glossophaga_longirostris	*1898*	*G.S. Miller*
Idiurus_macrotis	*1898*	*G.S. Miller*
Kerivoula_minuta	*1898*	*G.S. Miller*
Micronycteris_microtis	*1898*	*G.S. Miller*
Myotis_peninsularis	*1898*	*G.S. Miller*
Phyllonycteris_aphylla	*1898*	*G.S. Miller*
Chaetodipus_pernix	*1898*	*J.A. Allen*
Neotoma_anthonyi	*1898*	*J.A. Allen*
Cercopithecus_preussi	*1898*	*Matschie*
Sundasciurus_moellendorffi	*1898*	*Matschie*
Tupaia_moellendorffi	*1898*	*Matschie*
Zenkerella_insignis	*1898*	*Matschie*
Chaetodipus_eremicus	*1898*	*Mearns*
Habromys_lepturus	*1898*	*Merriam*
Marmota_olympus	*1898*	*Merriam*
Megadontomys_nelsoni	*1898*	*Merriam*
Megadontomys_thomasi	*1898*	*Merriam*
Microtus_guatemalensis	*1898*	*Merriam*
Microtus_umbrosus	*1898*	*Merriam*
Neotomodon_alstoni	*1898*	*Merriam*
Oryzomys_nelsoni	*1898*	*Merriam*
Peromyscus_gratus	*1898*	*Merriam*
Peromyscus_guatemalensis	*1898*	*Merriam*
Peromyscus_hylocetes	*1898*	*Merriam*
Peromyscus_levipes	*1898*	*Merriam*
Peromyscus_madrensis	*1898*	*Merriam*
Peromyscus_megalops	*1898*	*Merriam*
Peromyscus_mekisturus	*1898*	*Merriam*
Peromyscus_zarhynchus	*1898*	*Merriam*

Spermophilus_canus	*1898*	*Merriam*
Macrotarsomys_bastardi	*1898*	*Milne-Edwards & G. Grandidier*
Mesocricetus_brandti	*1898*	*Nehring*
Mesocricetus_newtoni	*1898*	*Nehring*
Spalax_giganteus	*1898*	*Nehring*
Spalax_graecus	*1898*	*Nehring*
Sciurus_alleni	*1898*	*Nelson*
Sciurus_richmondi	*1898*	*Nelson*
Cercopithecus_lhoesti	*1898*	*P. Sclater*
Trachypithecus_francoisi	*1898*	*Pousargues*
Trachypithecus_poliocephalus	*1898*	*Pousargues*
Spalax_nehringi	*1898*	*Satunin*
Ailurops_melanotis	*1898*	*Thomas*
Chimarrogale_phaeura	*1898*	*Thomas*
Chinchillula_sahamae	*1898*	*Thomas*
Crocidura_baluensis	*1898*	*Thomas*
Crocidura_bottegi	*1898*	*Thomas*
Cryptotis_meridensis	*1898*	*Thomas*
Ctenomys_perrensi	*1898*	*Thomas*
Ctenomys_talarum	*1898*	*Thomas*
Galenomys_garleppi	*1898*	*Thomas*
Glyphotes_simus	*1898*	*Thomas*
Gracilinanus_dryas	*1898*	*Thomas*
Gracilinanus_marica	*1898*	*Thomas*
Lariscus_niobe	*1898*	*Thomas*
Mallomys_rothschildi	*1898*	*Thomas*
Micoureus_regina	*1898*	*Thomas*
Microcavia_niata	*1898*	*Thomas*
Microsciurus_mimulus	*1898*	*Thomas*
Myotis_ridleyi	*1898*	*Thomas*
Necromys_lenguarum	*1898*	*Thomas*

Oligoryzomys_victus	*1898*	*Thomas*
Oryzomys_antillarum	*1898*	*Thomas*
Oryzomys_chapmani	*1898*	*Thomas*
Peromyscus_eva	*1898*	*Thomas*
Phalanger_carmelitae	*1898*	*Thomas*
Phalanger_rothschildi	*1898*	*Thomas*
Proechimys_chrysaeolus	*1898*	*Thomas*
Rattus_mindorensis	*1898*	*Thomas*
Sciurus_pyrrhinus	*1898*	*Thomas*
Sminthopsis_hirtipes	*1898*	*Thomas*
Thomasomys_paramorum	*1898*	*Thomas*
Thomasomys_vestitus	*1898*	*Thomas*
Thomasomys_vulcani	*1898*	*Thomas*
Zygodontomys_brunneus	*1898*	*Thomas*
Avahi_occidentalis	*1898*	*von Lorenz-Liburnau*
Rattus_villosissimus	*1898*	*Waite*
Pipistrellus_minahassae	*1899*	*A. Meyer*
Apomys_datae	*1899*	*C. Meyer*
Falsistrellus_petersi	*1899*	*C. Meyer*
Macaca_tonkeana	*1899*	*C. Meyer*
Mops_sarasinorum	*1899*	*C. Meyer*
Piliocolobus_foai	*1899*	*de Pousargues*
Chimarrogale_styani	*1899*	*de Winton*
Chodsigoa_hypsibia	*1899*	*de Winton*
Dendromus_lovati	*1899*	*de Winton*
Funisciurus_substriatus	*1899*	*de Winton*
Scotoecus_hirundo	*1899*	*de Winton*
Tscherskia_triton	*1899*	*de Winton*
Blarina_hylophaga	*1899*	*Elliot*
Microgale_brevicaudata	*1899*	*G. Grandidier*
Palaeopropithecus_ingens	*1899*	*G. Grandidier*

Cabassous_centralis	*1899*	*G.S. Miller*
Erophylla_bombifrons	*1899*	*G.S. Miller*
Microtus_abbreviatus	*1899*	*G.S. Miller*
Mormopterus_minutus	*1899*	*G.S. Miller*
Peropteryx_trinitatis	*1899*	*G.S. Miller*
Diplomys_rufodorsalis	*1899*	*J.A. Allen*
Proechimys_canicollis	*1899*	*J.A. Allen*
Proechimys_mincae	*1899*	*J.A. Allen*
Proechimys_urichi	*1899*	*J.A. Allen*
Alticola_strelzowi	*1899*	*Kastschenko*
Marmota_baibacina	*1899*	*Kastschenko*
Epomops_buettikoferi	*1899*	*Matschie*
Euneomys_fossor	*1899*	*Thomas*
Marmosa_quichua	*1899*	*Thomas*
Micoureus_phaeus	*1899*	*Thomas*
Monodelphis_rubida	*1899*	*Thomas*
Murexechinus_melanurus	*1899*	*Thomas*
Nesoryzomys_indefessus	*1899*	*Thomas*
Proechimys_decumanus	*1899*	*Thomas*
Sphiggurus_vestitus	*1899*	*Thomas*
Thomasomys_baeops	*1899*	*Thomas*
Tylomys_mirae	*1899*	*Thomas*
Tylomys_watsoni	*1899*	*Thomas*
Thomasomys_monochromos	*1900*	*Bangs*
Apodemus_draco	*1900*	*Barrett-Hamilton*
Apodemus_pallipes	*1900*	*Barrett-Hamilton*
Erinaceus_roumanicus	*1900*	*Barrett-Hamilton*
Leopoldamys_ciliatus	*1900*	*Bonhote*
Tamiops_maritimus	*1900*	*Bonhote*
Plerotes_anchietae	*1900*	*de Seabra*
Rhipidomys_macconnelli	*1900*	*de Winton*

Crocidura_muricauda	*1900*	*G.S. Miller*
Crocidura_sicula	*1900*	*G.S. Miller*
Dasymys_rufulus	*1900*	*G.S. Miller*
Dephomys_defua	*1900*	*G.S. Miller*
Hybomys_planifrons	*1900*	*G.S. Miller*
Leptonycteris_curasoae	*1900*	*G.S. Miller*
Maxomys_surifer	*1900*	*G.S. Miller*
Monophyllus_plethodon	*1900*	*G.S. Miller*
Myotis_nesopolus	*1900*	*G.S. Miller*
Natalus_tumidirostris	*1900*	*G.S. Miller*
Niviventer_cremoriventer	*1900*	*G.S. Miller*
Praomys_rostratus	*1900*	*G.S. Miller*
Rattus_tiomanicus	*1900*	*G.S. Miller*
Tomopeas_ravus	*1900*	*G.S. Miller*
Aeromys_thomasi	*1900*	*Hose*
Dactylomys_peruanus	*1900*	*J.A. Allen*
Didelphis_pernigra	*1900*	*J.A. Allen*
Lenoxus_apicalis	*1900*	*J.A. Allen*
Micoureus_alstoni	*1900*	*J.A. Allen*
Oryzomys_keaysi	*1900*	*J.A. Allen*
Cercocebus_chrysogaster	*1900*	*Lydekker*
Cryptomys_zechi	*1900*	*Matschie*
Loxodonta_cyclotis	*1900*	*Matschie*
Piliocolobus_gordonorum	*1900*	*Matschie*
Piliocolobus_preussi	*1900*	*Matschie*
Dicrostonyx_nelsoni	*1900*	*Merriam*
Dicrostonyx_richardsoni	*1900*	*Merriam*
Dicrostonyx_unalascensis	*1900*	*Merriam*
Lepus_othus	*1900*	*Merriam*
Reithrodontomys_chrysopsis	*1900*	*Merriam*
Sorex_alaskanus	*1900*	*Merriam*

Sorex_tundrensis	*1900*	*Merriam*
Hyomys_goliath	*1900*	*Milne-Edwards*
Xenuromys_barbatus	*1900*	*Milne-Edwards*
Ctenomys_pundti	*1900*	*Nehring*
Chaetodipus_artus	*1900*	*Osgood*
Chaetodipus_goldmani	*1900*	*Osgood*
Perognathus_amplus	*1900*	*Osgood*
Irenomys_tarsalis	*1900*	*Philippi*
Myopterus_whitleyi	*1900*	*Scharff*
Hypsugo_anchietae	*1900*	*Seabra*
Neoromicia_flavescens	*1900*	*Seabra*
Pentalagus_furnessi	*1900*	*Stone*
Auliscomys_sublimis	*1900*	*Thomas*
Calomys_sorellus	*1900*	*Thomas*
Ctenomys_dorsalis	*1900*	*Thomas*
Ctenomys_tucumanus	*1900*	*Thomas*
Lycalopex_sechurae	*1900*	*Thomas*
Neacomys_tenuipes	*1900*	*Thomas*
Necromys_amoenus	*1900*	*Thomas*
Nyctimene_aello	*1900*	*Thomas*
Oryzomys_balneator	*1900*	*Thomas*
Otomys_orestes	*1900*	*Thomas*
Oxymycterus_inca	*1900*	*Thomas*
Paralomys_gerbillus	*1900*	*Thomas*
Petaurillus_hosei	*1900*	*Thomas*
Phyllotis_amicus	*1900*	*Thomas*
Platyrrhinus_dorsalis	*1900*	*Thomas*
Proechimys_simonsi	*1900*	*Thomas*
Rhipidomys_venustus	*1900*	*Thomas*
Tachyoryctes_ibeanus	*1900*	*Thomas*
Thomasomys_praetor	*1900*	*Thomas*

Diplomys_labilis	*1901*	*Bangs*
Hipposideros_turpis	*1901*	*Bangs*
Callosciurus_albescens	*1901*	*Bonhote*
Callosciurus_baluensis	*1901*	*Bonhote*
Eptesicus_floweri	*1901*	*de Winton*
Gerbillus_watersi	*1901*	*de Winton*
Herpestes_naso	*1901*	*de Winton*
Megalomys_luciae	*1901*	*Forsyth Major*
Crocidura_shantungensis	*1901*	*G.S. Miller*
Akodon_lutescens	*1901*	*J.A. Allen*
Eligmodontia_morgani	*1901*	*J.A. Allen*
Oryzomys_bolivaris	*1901*	*J.A. Allen*
Oryzomys_perenensis	*1901*	*J.A. Allen*
Phyllotis_osilae	*1901*	*J.A. Allen*
Rhipidomys_ochrogaster	*1901*	*J.A. Allen*
Myotis_vivesi	*1901*	*M_n• gaux*
Macaca_hecki	*1901*	*Matschie*
Rattus_hoffmanni	*1901*	*Matschie*
Rhinolophus_mehelyi	*1901*	*Matschie*
Arborimus_albipes	*1901*	*Merriam*
Cryptotis_mayensis	*1901*	*Merriam*
Mazama_pandora	*1901*	*Merriam*
Microdipodops_pallidus	*1901*	*Merriam*
Oryzomys_rhabdops	*1901*	*Merriam*
Oryzomys_rostratus	*1901*	*Merriam*
Oryzomys_saturatior	*1901*	*Merriam*
Ototylomys_phyllotis	*1901*	*Merriam*
Procyon_pygmaeus	*1901*	*Merriam*
Reithrodontomys_hirsutus	*1901*	*Merriam*
Reithrodontomys_microdon	*1901*	*Merriam*
Reithrodontomys_tenuirostris	*1901*	*Merriam*

Reithrodontomys_zacatecae	*1901*	*Merriam*
Spermophilus_madrensis	*1901*	*Merriam*
Thomomys_idahoensis	*1901*	*Merriam*
Tylomys_bullaris	*1901*	*Merriam*
Tylomys_tumbalensis	*1901*	*Merriam*
Microtus_miurus	*1901*	*Osgood*
Okapia_johnstoni	*1901*	*P.L. Sclater*
Prometheomys_schaposchnikowi	*1901*	*Satunin*
Hipposideros_coxi	*1901*	*Shelford*
Akodon_mimus	*1901*	*Thomas*
Artibeus_watsoni	*1901*	*Thomas*
Calomys_boliviae	*1901*	*Thomas*
Cephalophus_weynsi	*1901*	*Thomas*
Cloeotis_percivali	*1901*	*Thomas*
Cynomops_paranus	*1901*	*Thomas*
Dasyprocta_ruatanica	*1901*	*Thomas*
Dipodillus_harwoodi	*1901*	*Thomas*
Eptesicus_platyops	*1901*	*Thomas*
Eumops_maurus	*1901*	*Thomas*
Eumops_trumbulli	*1901*	*Thomas*
Galago_gallarum	*1901*	*Thomas*
Genetta_victoriae	*1901*	*Thomas*
Glauconycteris_beatrix	*1901*	*Thomas*
Heteromys_australis	*1901*	*Thomas*
Laephotis_wintoni	*1901*	*Thomas*
Mesophylla_macconnelli	*1901*	*Thomas*
Molossus_currentium	*1901*	*Thomas*
Myotis_simus	*1901*	*Thomas*
Neoromicia_somalicus	*1901*	*Thomas*
Nyctalus_azoreum	*1901*	*Thomas*
Oecomys_phaeotis	*1901*	*Thomas*

Oryzomys_lamia	*1901*	*Thomas*
Oxymycterus_roberti	*1901*	*Thomas*
Phyllostomus_latifolius	*1901*	*Thomas*
Platyrrhinus_recifinus	*1901*	*Thomas*
Proechimys_guairae	*1901*	*Thomas*
Proechimys_roberti	*1901*	*Thomas*
Rhipidomys_nitela	*1901*	*Thomas*
Saccopteryx_canescens	*1901*	*Thomas*
Saccopteryx_gymnura	*1901*	*Thomas*
Scotoecus_hindei	*1901*	*Thomas*
Cryptoprocta_spelea	*1902*	*A. Grandidier*
Spilogale_angustifrons	*1902*	*A.H. Howell*
Sigmodon_alleni	*1902*	*Bailey*
Sigmodon_leucotis	*1902*	*Bailey*
Sigmodon_ochrognathus	*1902*	*Bailey*
Isthmomys_flavidus	*1902*	*Bangs*
Oligoryzomys_vegetus	*1902*	*Bangs*
Orthogeomys_cavator	*1902*	*Bangs*
Oryzomys_devius	*1902*	*Bangs*
Reithrodontomys_creper	*1902*	*Bangs*
Scotinomys_xerampelinus	*1902*	*Bangs*
Syntheosciurus_brochus	*1902*	*Bangs*
Miniopterus_fuscus	*1902*	*Bonhote*
Mus_caroli	*1902*	*Bonhote*
Arctocebus_aureus	*1902*	*de Winton*
Gerbillus_amoenus	*1902*	*de Winton*
Gerbillus_andersoni	*1902*	*de Winton*
Artibeus_phaeotis	*1902*	*G.S. Miller*
Brachyphylla_nana	*1902*	*G.S. Miller*
Chaerephon_jobensis	*1902*	*G.S. Miller*
Crocidura_andamanensis	*1902*	*G.S. Miller*

Crocidura_nicobarica	*1902*	*G.S. Miller*
Molossus_pretiosus	*1902*	*G.S. Miller*
Myotis_dominicensis	*1902*	*G.S. Miller*
Natalus_major	*1902*	*G.S. Miller*
Pteropus_faunulus	*1902*	*G.S. Miller*
Rattus_burrus	*1902*	*G.S. Miller*
Rattus_stoicus	*1902*	*G.S. Miller*
Platyrrhinus_umbratus	*1902*	*Lyon*
Genetta_thierryi	*1902*	*Matschie*
Cratogeomys_neglectus	*1902*	*Merriam*
Heteromys_nelsoni	*1902*	*Merriam*
Sorex_lyelli	*1902*	*Merriam*
Apodemus_epimelas	*1902*	*Nehring*
Chlorocebus_djamdjamensis	*1902*	*Neumann*
Aethomys_hindei	*1902*	*Thomas*
Akodon_fumeus	*1902*	*Thomas*
Akodon_serrensis	*1902*	*Thomas*
Akodon_varius	*1902*	*Thomas*
Alouatta_coibensis	*1902*	*Thomas*
Andinomys_edax	*1902*	*Thomas*
Apodemus_witherbyi	*1902*	*Thomas*
Coendou_rothschildi	*1902*	*Thomas*
Ctenodactylus_vali	*1902*	*Thomas*
Ctenomys_bergi	*1902*	*Thomas*
Ctenomys_frater	*1902*	*Thomas*
Dasyprocta_coibae	*1902*	*Thomas*
Desmomys_harringtoni	*1902*	*Thomas*
Gerbillus_tarabuli	*1902*	*Thomas*
Gerbillus_vivax	*1902*	*Thomas*
Graomys_centralis	*1902*	*Thomas*
Graomys_domorum	*1902*	*Thomas*

Hipposideros_dyacorum	*1902*	*Thomas*
Ia_io	*1902*	*Thomas*
Lasiurus_salinae	*1902*	*Thomas*
Lepus_fagani	*1902*	*Thomas*
Myotomys_sloggetti	*1902*	*Thomas*
Oryzomys_levipes	*1902*	*Thomas*
Oryzomys_yunganus	*1902*	*Thomas*
Otomys_tropicalis	*1902*	*Thomas*
Oxymycterus_paramensis	*1902*	*Thomas*
Pedetes_surdaster	*1902*	*Thomas*
Phyllotis_wolffsohni	*1902*	*Thomas*
Pipistrellus_deserti	*1902*	*Thomas*
Solomys_sapientis	*1902*	*Thomas*
Talpa_romana	*1902*	*Thomas*
Thylamys_cinderella	*1902*	*Thomas*
Thylamys_pallidior	*1902*	*Thomas*
Thylamys_sponsorius	*1902*	*Thomas*
Thylamys_venustus	*1902*	*Thomas*
Zelotomys_hildegardeae	*1902*	*Thomas*
Tamias_canipes	*1902*	*V. Bailey*
Microtus_thomasi	*1903*	*Barrett-Hamilton*
Acomys_nesiotes	*1903*	*Bate*
Niviventer_rapit	*1903*	*Bonhote*
Rattus_annandalei	*1903*	*Bonhote*
Rhinolophus_malayanus	*1903*	*Bonhote*
Gerbillus_henleyi	*1903*	*de Winton*
Neotragus_batesi	*1903*	*de Winton*
Chaetodipus_rudinoris	*1903*	*Elliot*
Peromyscus_sagax	*1903*	*Elliot*
Chilonatalus_tumidifrons	*1903*	*G.S. Miller*
Hylobates_klossii	*1903*	*G.S. Miller*

Lariscus_obscurus	*1903*	*G.S. Miller*
Lenothrix_canus	*1903*	*G.S. Miller*
Macaca_pagensis	*1903*	*G.S. Miller*
Maxomys_pagensis	*1903*	*G.S. Miller*
Rattus_lugens	*1903*	*G.S. Miller*
Rattus_simalurensis	*1903*	*G.S. Miller*
Simias_concolor	*1903*	*G.S. Miller*
Tupaia_chrysogaster	*1903*	*G.S. Miller*
Ctenomys_colburni	*1903*	*J.A. Allen*
Ctenomys_sericeus	*1903*	*J.A. Allen*
Euneomys_petersoni	*1903*	*J.A. Allen*
Tamias_durangae	*1903*	*J.A. Allen*
Gorilla_beringei	*1903*	*Matschie*
Hipposideros_semoni	*1903*	*Matschie*
Nelsonia_goldmani	*1903*	*Merriam*
Neotoma_goldmani	*1903*	*Merriam*
Neotoma_phenax	*1903*	*Merriam*
Spermophilus_adocetus	*1903*	*Merriam*
Neovison_macrodon	*1903*	*Prentis*
Sicista_tianshanica	*1903*	*Salensky*
Cardiocranius_paradoxus	*1903*	*Satunin*
Cricetulus_kamensis	*1903*	*Satunin*
Phodopus_roborovskii	*1903*	*Satunin*
Spermophilus_pallidicauda	*1903*	*Satunin*
Anisomys_imitator	*1903*	*Thomas*
Bunolagus_monticularis	*1903*	*Thomas*
Callithrix_flaviceps	*1903*	*Thomas*
Cephalophus_brookei	*1903*	*Thomas*
Choeroniscus_godmani	*1903*	*Thomas*
Ctenomys_azarae	*1903*	*Thomas*
Delomys_sublineatus	*1903*	*Thomas*

Dendromus_insignis	*1903*	*Thomas*
Dendromus_messorius	*1903*	*Thomas*
Gerbillus_agag	*1903*	*Thomas*
Hylonycteris_underwoodi	*1903*	*Thomas*
Lonchophylla_mordax	*1903*	*Thomas*
Micoureus_constantiae	*1903*	*Thomas*
Miniopterus_inflatus	*1903*	*Thomas*
Mops_demonstrator	*1903*	*Thomas*
Mops_thersites	*1903*	*Thomas*
Mus_tenellus	*1903*	*Thomas*
Nycteris_arge	*1903*	*Thomas*
Oecomys_roberti	*1903*	*Thomas*
Oxymycterus_delator	*1903*	*Thomas*
Oxymycterus_quaestor	*1903*	*Thomas*
Peromyscus_beatae	*1903*	*Thomas*
Rhinopithecus_brelichi	*1903*	*Thomas*
Rhinopoma_muscatellum	*1903*	*Thomas*
Rhogeessa_io	*1903*	*Thomas*
Tadarida_fulminans	*1903*	*Thomas*
Gerbillus_latastei	*1903*	*Thomas & Trouessart*
Arctocephalus_galapagoensis	*1904*	*Heller*
Lonchophylla_thomasi	*1904*	*J.A. Allen*
Molossus_coibensis	*1904*	*J.A. Allen*
Rhinolophus_simulator	*1904*	*K. Andersen*
Dipodomys_ingens	*1904*	*Merriam*
Dipodomys_microps	*1904*	*Merriam*
Dipodomys_simulans	*1904*	*Merriam*
Dipodomys_venustus	*1904*	*Merriam*
Sylvilagus_insonus	*1904*	*Nelson*
Habromys_lophurus	*1904*	*Osgood*
Habromys_simulatus	*1904*	*Osgood*

Peromyscus_bullatus	*1904*	*Osgood*
Peromyscus_melanocarpus	*1904*	*Osgood*
Peromyscus_pectoralis	*1904*	*Osgood*
Peromyscus_polius	*1904*	*Osgood*
Peromyscus_simulus	*1904*	*Osgood*
Cercopithecus_sclateri	*1904*	*Pocock*
Macropus_bernardus	*1904*	*Rothschild*
Heliosciurus_ruwenzorii	*1904*	*Schwann*
Acomys_mullah	*1904*	*Thomas*
Aethomys_bocagei	*1904*	*Thomas*
Antechinus_bellus	*1904*	*Thomas*
Balantiopteryx_io	*1904*	*Thomas*
Callimico_goeldii	*1904*	*Thomas*
Cricetomys_ansorgei	*1904*	*Thomas*
Crocidura_fumosa	*1904*	*Thomas*
Crocidura_hildegardeae	*1904*	*Thomas*
Crocidura_jacksoni	*1904*	*Thomas*
Crocidura_maurisca	*1904*	*Thomas*
Dipodillus_mackillingini	*1904*	*Thomas*
Gerbillus_dunni	*1904*	*Thomas*
Helogale_hirtula	*1904*	*Thomas*
Hylochoerus_meinertzhageni	*1904*	*Thomas*
Hylomyscus_carillus	*1904*	*Thomas*
Hypsugo_ariel	*1904*	*Thomas*
Hypsugo_crassulus	*1904*	*Thomas*
Lemniscomys_griselda	*1904*	*Thomas*
Lemniscomys_rosalia	*1904*	*Thomas*
Nyctimene_robinsoni	*1904*	*Thomas*
Oecomys_paricola	*1904*	*Thomas*
Paramelomys_moncktoni	*1904*	*Thomas*
Petrogale_rothschildi	*1904*	*Thomas*

Pipistrellus_nanulus	*1904*	*Thomas*
Rattus_colletti	*1904*	*Thomas*
Rattus_mordax	*1904*	*Thomas*
Rattus_tunneyi	*1904*	*Thomas*
Rattus_verecundus	*1904*	*Thomas*
Rhinolophus_denti	*1904*	*Thomas*
Sciurus_flammifer	*1904*	*Thomas*
Scotophilus_nux	*1904*	*Thomas*
Uromys_porculus	*1904*	*Thomas*
Dipodillus_mackilligini	*1904*	*Thomas & Hinton*
Bathyergus_janetta	*1904*	*Thomas & Schwann*
Dasycercus_blythi	*1904*	*Waite*
Sylvilagus_robustus	*1905*	*Bailey*
Acomys_minous	*1905*	*Bate*
Chelemys_delfini	*1905*	*Cabrera*
Dobsonia_pannietensis	*1905*	*de Vis*
Orthogeomys_cuniculus	*1905*	*Elliot*
Orthogeomys_lanius	*1905*	*Elliot*
Microtus_multiplex	*1905*	*Fatio*
Phoniscus_atrox	*1905*	*G.S. Miller*
Neotoma_martinensis	*1905*	*Goldman*
Neotoma_nelsoni	*1905*	*Goldman*
Neotoma_palatina	*1905*	*Goldman*
Neotoma_stephensi	*1905*	*Goldman*
Carollia_subrufa	*1905*	*Hahn*
Cynomys_parvidens	*1905*	*J.A. Allen*
Hipposideros_dinops	*1905*	*K. Andersen*
Rhinolophus_beddomei	*1905*	*K. Andersen*
Rhinolophus_celebensis	*1905*	*K. Andersen*
Rhinolophus_darlingi	*1905*	*K. Andersen*
Rhinolophus_eloquens	*1905*	*K. Andersen*

Rhinolophus_inops	*1905*	*K. Andersen*
Rhinolophus_monoceros	*1905*	*K. Andersen*
Rhinolophus_nereis	*1905*	*K. Andersen*
Rhinolophus_sedulus	*1905*	*K. Andersen*
Rhinolophus_sinicus	*1905*	*K. Andersen*
Rhinolophus_stheno	*1905*	*K. Andersen*
Rhinolophus_subrufus	*1905*	*K. Andersen*
Rhinolophus_thomasi	*1905*	*K. Andersen*
Rhinolophus_virgo	*1905*	*K. Andersen*
Sorex_thibetanus	*1905*	*Kastschenko*
Cercopithecus_kandti	*1905*	*Matschie*
Monachus_schauinslandi	*1905*	*Matschie*
Apomys_hylocetes	*1905*	*Mearns*
Apomys_insignis	*1905*	*Mearns*
Bullimus_bagobus	*1905*	*Mearns*
Limnomys_sibuanus	*1905*	*Mearns*
Podogymnura_truei	*1905*	*Mearns*
Tarsomys_apoensis	*1905*	*Mearns*
Microtus_transcaspicus	*1905*	*Satunin*
Amblysomus_corriae	*1905*	*Thomas*
Calomyscus_bailwardi	*1905*	*Thomas*
Dobsonia_magna	*1905*	*Thomas*
Hesperoptenus_tomesi	*1905*	*Thomas*
Micoureus_demerarae	*1905*	*Thomas*
Molossus_barnesi	*1905*	*Thomas*
Myodes_andersoni	*1905*	*Thomas*
Myodes_smithii	*1905*	*Thomas*
Myotis_bombinus	*1905*	*Thomas*
Neacomys_guianae	*1905*	*Thomas*
Oryzomys_dimidiatus	*1905*	*Thomas*
Phodopus_campbelli	*1905*	*Thomas*

Proechimys_goeldii	*1905*	*Thomas*
Sorex_shinto	*1905*	*Thomas*
Sphiggurus_pruinosus	*1905*	*Thomas*
Eptesicus_matroka	*1905*	*Thomas & Schwann*
Myosorex_sclateri	*1905*	*Thomas & Schwann*
Myosorex_tenuis	*1905*	*Thomas & Schwann*
Otomys_laminatus	*1905*	*Thomas & Schwann*
Funambulus_pennantii	*1905*	*Wroughton*
Nyctalus_montanus	*1906*	*Barrett-Hamilton*
Maxomys_inas	*1906*	*Bonhote*
Cynopterus_minutus	*1906*	*G.S. Miller*
Myodes_centralis	*1906*	*G.S. Miller*
Rattus_enganus	*1906*	*G.S. Miller*
Molossus_sinaloae	*1906*	*J.A. Allen*
Artibeus_aztecus	*1906*	*K. Andersen*
Artibeus_hirsutus	*1906*	*K. Andersen*
Hipposideros_beatus	*1906*	*K. Andersen*
Rhinolophus_cognatus	*1906*	*K. Andersen*
Gazella_erlangeri	*1906*	*Neumann*
Zelotomys_woosnami	*1906*	*Schwann*
Anotomys_leander	*1906*	*Thomas*
Apodemus_peninsulae	*1906*	*Thomas*
Chionomys_roberti	*1906*	*Thomas*
Crocidura_goliath	*1906*	*Thomas*
Crocidura_montis	*1906*	*Thomas*
Crocidura_niobe	*1906*	*Thomas*
Dasymys_montanus	*1906*	*Thomas*
Diplothrix_legata	*1906*	*Thomas*
Funisciurus_carruthersi	*1906*	*Thomas*
Holochilus_chacarius	*1906*	*Thomas*
Hybomys_lunaris	*1906*	*Thomas*

Hylomyscus_denniae	*1906*	*Thomas*
Leggadina_forresti	*1906*	*Thomas*
Lophuromys_brunneus	*1906*	*Thomas*
Lophuromys_woosnami	*1906*	*Thomas*
Microtus_cabrerae	*1906*	*Thomas*
Microtus_majori	*1906*	*Thomas*
Miniopterus_majori	*1906*	*Thomas*
Miniopterus_manavi	*1906*	*Thomas*
Mus_bufo	*1906*	*Thomas*
Mylomys_rex	*1906*	*Thomas*
Myodes_regulus	*1906*	*Thomas*
Myosorex_blarina	*1906*	*Thomas*
Oecomys_mamorae	*1906*	*Thomas*
Otomys_dartmouthi	*1906*	*Thomas*
Otomys_denti	*1906*	*Thomas*
Parahydromys_asper	*1906*	*Thomas*
Paramelomys_platyops	*1906*	*Thomas*
Planigale_ingrami	*1906*	*Thomas*
Pseudantechinus_mimulus	*1906*	*Thomas*
Pseudomys_shortridgei	*1906*	*Thomas*
Rattus_niobe	*1906*	*Thomas*
Rheomys_underwoodi	*1906*	*Thomas*
Rousettus_lanosus	*1906*	*Thomas*
Scotorepens_balstoni	*1906*	*Thomas*
Surdisorex_norae	*1906*	*Thomas*
Sylvisorex_lunaris	*1906*	*Thomas*
Talpa_levantis	*1906*	*Thomas*
Taterillus_harringtoni	*1906*	*Thomas*
Vespadelus_regulus	*1906*	*Thomas*
Elephantulus_myurus	*1906*	*Thomas & Schwann*
Miniopterus_fraterculus	*1906*	*Thomas & Schwann*

Triaenops_furculus	*1906*	*Trouessart*
Gerbilliscus_kempi	*1906*	*Wroughton*
Otomys_angoniensis	*1906*	*Wroughton*
Plecotus_teneriffae	*1907*	*Barrett-Hamilton*
Nycticebus_pygmaeus	*1907*	*Bonhote*
Chlorotalpa_duthieae	*1907*	*Broom*
Chlorotalpa_sclateri	*1907*	*Broom*
Cryptochloris_wintoni	*1907*	*Broom*
Eremitalpa_granti	*1907*	*Broom*
Meriones_grandis	*1907*	*Cabrera*
Neomys_anomalus	*1907*	*Cabrera*
Talpa_occidentalis	*1907*	*Cabrera*
Mallomys_aroaensis	*1907*	*de Vis*
Galago_nyasae	*1907*	*Elliot*
Galago_thomasi	*1907*	*Elliot*
Lagothrix_lugens	*1907*	*Elliot*
Piliocolobus_tephrosceles	*1907*	*Elliot*
Dendrolagus_matschiei	*1907*	*F_rster & Rothschild*
Chaerephon_aloysiisabaudiae	*1907*	*Festa*
Saguinus_imperator	*1907*	*Goeldi*
Pronolagus_randensis	*1907*	*Jameson*
Mormopterus_doriae	*1907*	*K. Andersen*
Rousettus_celebensis	*1907*	*K. Andersen*
Chodsigoa_salenskii	*1907*	*Kastschenko*
Hystrix_sumatrae	*1907*	*Lyon*
Ochotona_cansus	*1907*	*Lyon*
Dipodomys_nelsoni	*1907*	*Merriam*
Dipodomys_stephensi	*1907*	*Merriam*
Sylvilagus_cognatus	*1907*	*Nelson*
Sylvilagus_mansuetus	*1907*	*Nelson*
Allenopithecus_nigroviridis	*1907*	*Pocock*

Cercopithecus_doggetti	*1907*	*Pocock*
Cercopithecus_hamlyni	*1907*	*Pocock*
Genetta_johnstoni	*1907*	*Pocock*
Poiana_leightoni	*1907*	*Pocock*
Microtus_schelkovnikovi	*1907*	*Satunin*
Callicebus_pallescens	*1907*	*Thomas*
Cercopithecus_denti	*1907*	*Thomas*
Crocidura_caspica	*1907*	*Thomas*
Crossomys_moncktoni	*1907*	*Thomas*
Crunomys_melanius	*1907*	*Thomas*
Ctenomys_steinbachi	*1907*	*Thomas*
Grammomys_dryas	*1907*	*Thomas*
Lagidium_wolffsohni	*1907*	*Thomas*
Phalanger_sericeus	*1907*	*Thomas*
Sicista_caudata	*1907*	*Thomas*
Sorex_daphaenodon	*1907*	*Thomas*
Sorex_gracillimus	*1907*	*Thomas*
Sylvisorex_granti	*1907*	*Thomas*
Thamnomys_venustus	*1907*	*Thomas*
Uromys_anak	*1907*	*Thomas*
Zaglossus_bartoni	*1907*	*Thomas*
Colomys_goslingi	*1907*	*Thomas & Wroughton*
Crossarchus_alexandri	*1907*	*Thomas & Wroughton*
Galago_granti	*1907*	*Thomas & Wroughton*
Grammomys_kuru	*1907*	*Thomas & Wroughton*
Paraxerus_alexandri	*1907*	*Thomas & Wroughton*
Taterillus_lacustris	*1907*	*Thomas & Wroughton*
Cryptomys_amatus	*1907*	*Wroughton*
Grammomys_macmillani	*1907*	*Wroughton*
Micaelamys_granti	*1908*	*ó. Geoffroy Saint-Hilaire*
Mesoplodon_bowdoini	*1908*	*Andrews*

Coelops_robinsoni	*1908*	*Bonhote*
Neamblysomus_gunningi	*1908*	*Broom*
Loris_lydekkerianus	*1908*	*Cabrera*
Reithrodontomys_raviventris	*1908*	*Dixon*
Lonchophylla_hesperia	*1908*	*G.M. Allen*
Arvicola_sapidus	*1908*	*G.S. Miller*
Microtus_levis	*1908*	*G.S. Miller*
Neomys_teres	*1908*	*G.S. Miller*
Rhinolophus_swinnyi	*1908*	*Gough*
Neotoma_chrysomelas	*1908*	*J.A. Allen*
Melomys_leucogaster	*1908*	*Jentink*
Paramelomys_lorentzii	*1908*	*Jentink*
Pteropus_cognatus	*1908*	*K. Andersen*
Pteropus_intermedius	*1908*	*K. Andersen*
Pteropus_lylei	*1908*	*K. Andersen*
Pteropus_pelewensis	*1908*	*K. Andersen*
Pteropus_pilosus	*1908*	*K. Andersen*
Pteropus_speciosus	*1908*	*K. Andersen*
Pteropus_yapensis	*1908*	*K. Andersen*
Crocidura_lepidura	*1908*	*Lyon*
Ochotona_huangensis	*1908*	*Matschie*
Talpa_caucasica	*1908*	*Satunin*
Apodemus_semotus	*1908*	*Thomas*
Callicebus_hoffmannsi	*1908*	*Thomas*
Caryomys_inez	*1908*	*Thomas*
Chiruromys_vates	*1908*	*Thomas*
Dendrolagus_goodfellowi	*1908*	*Thomas*
Eliurus_penicillatus	*1908*	*Thomas*
Kerivoula_agnella	*1908*	*Thomas*
Lontra_provocax	*1908*	*Thomas*
Mazama_bricenii	*1908*	*Thomas*

Mesechinus_hughi	*1908*	*Thomas*
Murina_florium	*1908*	*Thomas*
Myodes_shanseius	*1908*	*Thomas*
Myomyscus_brockmani	*1908*	*Thomas*
Myotis_pequinius	*1908*	*Thomas*
Petaurillus_emiliae	*1908*	*Thomas*
Phyllotis_haggardi	*1908*	*Thomas*
Sundasciurus_juvencus	*1908*	*Thomas*
Aethomys_ineptus	*1908*	*Thomas & Wroughton*
Gerbilliscus_inclusus	*1908*	*Thomas & Wroughton*
Grammomys_cometes	*1908*	*Thomas & Wroughton*
Notopteris_neocaledonica	*1908*	*Trouessart*
Michaelamys_granti	*1908*	*Wroughton*
Myotis_grisescens	*1909*	*A.H. Howell*
Babyrousa_celebensis	*1909*	*Deninger*
Aotus_nigriceps	*1909*	*Dollman*
Lophuromys_zena	*1909*	*Dollman*
Uranomys_ruddi	*1909*	*Dollman*
Thallomys_loringi	*1909*	*Heller*
Myotis_occultus	*1909*	*Hollister*
Arvicanthis_nairobae	*1909*	*J.A. Allen*
Acerodon_humilis	*1909*	*K. Andersen*
Dobsonia_crenulata	*1909*	*K. Andersen*
Dobsonia_exoleta	*1909*	*K. Andersen*
Dobsonia_inermis	*1909*	*K. Andersen*
Dobsonia_praedatrix	*1909*	*K. Andersen*
Hipposideros_demissus	*1909*	*K. Andersen*
Pteralopex_anceps	*1909*	*K. Andersen*
Gerbillus_grobbeni	*1909*	*Klaptocz*
Pteropus_voeltzkowi	*1909*	*Matschie*
Ammospermophilus_insularis	*1909*	*Nelson and Goldman*

Peromyscus_melanurus	*1909*	*Osgood*
Chionomys_gud	*1909*	*Satunin*
Sminthopsis_longicaudata	*1909*	*Spencer*
Beamys_hindei	*1909*	*Thomas*
Clyomys_laticeps	*1909*	*Thomas*
Crocidura_nanilla	*1909*	*Thomas*
Gracilinanus_emiliae	*1909*	*Thomas*
Mus_sorella	*1909*	*Thomas*
Mus_triton	*1909*	*Thomas*
Nomascus_gabriellae	*1909*	*Thomas*
Oecomys_catherinae	*1909*	*Thomas*
Oxymycterus_angularis	*1909*	*Thomas*
Phyllomys_medius	*1909*	*Thomas*
Scotoecus_albigula	*1909*	*Thomas*
Tachyoryctes_ankoliae	*1909*	*Thomas*
Tachyoryctes_daemon	*1909*	*Thomas*
Tachyoryctes_naivashae	*1909*	*Thomas*
Tachyoryctes_ruddi	*1909*	*Thomas*
Tachyoryctes_spalacinus	*1909*	*Thomas*
Tachyoryctes_storeyi	*1909*	*Thomas*
Taphozous_hildegardeae	*1909*	*Thomas*
Vampyressa_nymphaea	*1909*	*Thomas*
Vampyressa_thyone	*1909*	*Thomas*
Zyzomys_woodwardi	*1909*	*Thomas*
Pseudomys_patrius	*1909*	*Thomas & Dollman*
Miniopterus_medius	*1909*	*Thomas & Wroughton*
Rhinolophus_canuti	*1909*	*Thomas & Wroughton*
Neotetracus_sinensis	*1909*	*Trouessart*
Dendromus_nyikae	*1909*	*Wroughton*
Mastomys_huberti	*1909*	*Wroughton*
Acomys_ignitus	*1910*	*Dollman*

Crocidura_luna	*1910*	*Dollman*
Crocidura_turba	*1910*	*Dollman*
Graphiurus_lorraineus	*1910*	*Dollman*
Prionomys_batesi	*1910*	*Dollman*
Alouatta_sara	*1910*	*Elliot*
Crocidura_beatus	*1910*	*G.S. Miller*
Crocidura_mindorus	*1910*	*G.S. Miller*
Sorex_granarius	*1910*	*G.S. Miller*
Tryphomys_adustus	*1910*	*G.S. Miller*
Crocidura_littoralis	*1910*	*Heller*
Crocidura_mutesae	*1910*	*Heller*
Crocidura_planiceps	*1910*	*Heller*
Crocidura_roosevelti	*1910*	*Heller*
Saccostomus_mearnsi	*1910*	*Heller*
Tachyoryctes_rex	*1910*	*Heller*
Lophostoma_carrikeri	*1910*	*J.A. Allen*
Orthogeomys_matagalpae	*1910*	*J.A. Allen*
Maxomys_bartelsii	*1910*	*Jentink*
Eonycteris_major	*1910*	*K. Andersen*
Nyctimene_cyclotis	*1910*	*K. Andersen*
Nyctimene_minutus	*1910*	*K. Andersen*
Microcebus_griseorufus	*1910*	*Kollman*
Tragelaphus_buxtoni	*1910*	*Lydekker*
Crocidura_allex	*1910*	*Osgood*
Crocidura_elgonius	*1910*	*Osgood*
Crocidura_parvipes	*1910*	*Osgood*
Crocidura_voi	*1910*	*Osgood*
Crocidura_xantippe	*1910*	*Osgood*
Grammomys_ibeanus	*1910*	*Osgood*
Bubalus_quarlesi	*1910*	*Ouwens*
Spilocuscus_kraemeri	*1910*	*Schwartz*

Arvicanthis_ansorgei	*1910*	*Thomas*
Casinycteris_argynnis	*1910*	*Thomas*
Crocidura_monax	*1910*	*Thomas*
Crossarchus_ansorgei	*1910*	*Thomas*
Ctenomys_fodax	*1910*	*Thomas*
Dipodillus_somalicus	*1910*	*Thomas*
Gerbilliscus_guineae	*1910*	*Thomas*
Gerbillus_brockmani	*1910*	*Thomas*
Lagostomus_crassus	*1910*	*Thomas*
Lemniscomys_linulus	*1910*	*Thomas*
Mus_indutus	*1910*	*Thomas*
Mus_neavei	*1910*	*Thomas*
Myotis_stalkeri	*1910*	*Thomas*
Oecomys_rex	*1910*	*Thomas*
Oryzomys_macconnelli	*1910*	*Thomas*
Praomys_delectorum	*1910*	*Thomas*
Pseudomys_glaucus	*1910*	*Thomas*
Scutisorex_somereni	*1910*	*Thomas*
Tachyoryctes_audax	*1910*	*Thomas*
Tragulus_versicolor	*1910*	*Thomas*
Lemniscomys_macculus	*1910*	*Thomas & Wroughton*
Cricetomys_emini	*1910*	*Wroughton*
Sorex_dispar	*1911*	*Batchelder*
Acomys_kempi	*1911*	*Dollman*
Acomys_percivali	*1911*	*Dollman*
Grammomys_gigas	*1911*	*Dollman*
Mops_spurrelli	*1911*	*Dollman*
Thamnomys_kempi	*1911*	*Dollman*
Madoqua_piacentinii	*1911*	*Drake-Brockman*
Pseudochirulus_larvatus	*1911*	*F_rster & Rothschild*
Apomys_musculus	*1911*	*G.S. Miller*

Batomys_dentatus	*1911*	*G.S. Miller*
Crocidura_grandis	*1911*	*G.S. Miller*
Crocidura_pullata	*1911*	*G.S. Miller*
Cryptotis_gracilis	*1911*	*G.S. Miller*
Pteropus_pumilus	*1911*	*G.S. Miller*
Sorex_planiceps	*1911*	*G.S. Miller*
Proechimys_steerei	*1911*	*Goldman*
Lophuromys_nudicaudus	*1911*	*Heller*
Petinomys_crinitus	*1911*	*Hollister*
Bunomys_andrewsi	*1911*	*J.A. Allen*
Lorentzimys_nouhuysi	*1911*	*Jentink*
Neophascogale_lorentzi	*1911*	*Jentink*
Phascomurexia_naso	*1911*	*Jentink*
Macroglossus_sobrinus	*1911*	*K. Andersen*
Acomys_chudeaui	*1911*	*Kollman*
Hylobates_albibarbis	*1911*	*Lyon*
Crocidura_malayana	*1911*	*Robinson & Kloss*
Hipposideros_ridleyi	*1911*	*Robinson & Kloss*
Petaurillus_kinlochii	*1911*	*Robinson & Kloss*
Marmota_vancouverensis	*1911*	*Swarth*
Apodemus_latronum	*1911*	*Thomas*
Caryomys_eva	*1911*	*Thomas*
Chodsigoa_smithii	*1911*	*Thomas*
Crocidura_cinderella	*1911*	*Thomas*
Cryptomys_foxi	*1911*	*Thomas*
Emballonura_furax	*1911*	*Thomas*
Eospalax_rothschildi	*1911*	*Thomas*
Eospalax_smithii	*1911*	*Thomas*
Eothenomys_olitor	*1911*	*Thomas*
Grammomys_buntingi	*1911*	*Thomas*
Hylomyscus_aeta	*1911*	*Thomas*

Hylomyscus_stella	*1911*	*Thomas*
Marmosops_dorothea	*1911*	*Thomas*
Melomys_obiensis	*1911*	*Thomas*
Mesomys_stimulax	*1911*	*Thomas*
Myotis_altarium	*1911*	*Thomas*
Neodon_irene	*1911*	*Thomas*
Niviventer_andersoni	*1911*	*Thomas*
Niviventer_excelsior	*1911*	*Thomas*
Nyctalus_aviator	*1911*	*Thomas*
Oecomys_superans	*1911*	*Thomas*
Oenomys_ornatus	*1911*	*Thomas*
Paramelomys_naso	*1911*	*Thomas*
Proedromys_bedfordi	*1911*	*Thomas*
Sorex_bedfordiae	*1911*	*Thomas*
Trachypithecus_laotum	*1911*	*Thomas*
Trinomys_iheringi	*1911*	*Thomas*
Uropsilus_andersoni	*1911*	*Thomas*
Uropsilus_gracilis	*1911*	*Thomas*
Volemys_millicens	*1911*	*Thomas*
Triaenops_auritus	*1912*	*A. Grandidier*
Graphiurus_surdus	*1912*	*Dollman*
Rhinopithecus_avunculus	*1912*	*Dollman*
Crocidura_ichnusae	*1912*	*Festa*
Lonchophylla_robusta	*1912*	*G.S. Miller*
Cryptotis_mera	*1912*	*Goldman*
Hydrochoerus_isthmius	*1912*	*Goldman*
Isthmomys_pirrensis	*1912*	*Goldman*
Marmosops_invictus	*1912*	*Goldman*
Neacomys_pictus	*1912*	*Goldman*
Orthogeomys_dariensis	*1912*	*Goldman*
Rheomys_raptor	*1912*	*Goldman*

Crocidura_raineyi	*1912*	*Heller*
Neoromicia_helios	*1912*	*Heller*
Otomys_dollmani	*1912*	*Heller*
Pipistrellus_aero	*1912*	*Heller*
Suncus_aequatorius	*1912*	*Heller*
Suncus_infinitesimus	*1912*	*Heller*
Sicista_napaea	*1912*	*Hollister*
Akodon_affinis	*1912*	*J.A. Allen*
Cryptotis_squamipes	*1912*	*J.A. Allen*
Handleyomys_fuscatus	*1912*	*J.A. Allen*
Thomasomys_cinereiventer	*1912*	*J.A. Allen*
Thomasomys_popayanus	*1912*	*J.A. Allen*
Nycteris_aurita	*1912*	*K. Andersen*
Nycteris_gambiensis	*1912*	*K. Andersen*
Nycteris_major	*1912*	*K. Andersen*
Nycteris_nana	*1912*	*K. Andersen*
Nycteris_tragata	*1912*	*K. Andersen*
Nyctimene_certans	*1912*	*K. Andersen*
Phocoena_dioptrica	*1912*	*Lahille*
Saguinus_melanoleucus	*1912*	*Miranda-Ribeiro*
Myotis_ikonnikovi	*1912*	*Ognev*
Oligoryzomys_griseolus	*1912*	*Osgood*
Thomasomys_hylophilus	*1912*	*Osgood*
Acomys_johannis	*1912*	*Thomas*
Blanfordimys_afghanus	*1912*	*Thomas*
Blarinella_griselda	*1912*	*Thomas*
Centronycteris_centralis	*1912*	*Thomas*
Chodsigoa_lamula	*1912*	*Thomas*
Chrotogale_owstoni	*1912*	*Thomas*
Cistugo_seabrae	*1912*	*Thomas*
Cryptotis_equatoris	*1912*	*Thomas*

Ctenomys_saltarius	*1912*	*Thomas*
Dasymys_foxi	*1912*	*Thomas*
Eothenomys_custos	*1912*	*Thomas*
Eothenomys_wardi	*1912*	*Thomas*
Euneomys_mordax	*1912*	*Thomas*
Glironia_venusta	*1912*	*Thomas*
Kerivoula_cuprosa	*1912*	*Thomas*
Kerivoula_phalaena	*1912*	*Thomas*
Microtus_ilaeus	*1912*	*Thomas*
Monodelphis_emiliae	*1912*	*Thomas*
Phyllotis_andium	*1912*	*Thomas*
Phyllotis_limatus	*1912*	*Thomas*
Phyllotis_magister	*1912*	*Thomas*
Saguinus_martinsi	*1912*	*Thomas*
Scapanulus_oweni	*1912*	*Thomas*
Scleronycteris_ega	*1912*	*Thomas*
Sorex_cansulus	*1912*	*Thomas*
Sorex_sinalis	*1912*	*Thomas*
Steatomys_caurinus	*1912*	*Thomas*
Peromyscus_guardia	*1912*	*Townsend*
Peromyscus_stephani	*1912*	*Townsend*
Cremnomys_cutchicus	*1912*	*Wroughton*
Mus_phillipsi	*1912*	*Wroughton*
Sorex_neomexicanus	*1913*	*Bailey*
Apodemus_rusiges	*1913*	*G.S. Miller*
Crocidura_pergrisea	*1913*	*G.S. Miller*
Eonycteris_robusta	*1913*	*G.S. Miller*
Apomys_microdon	*1913*	*Hollister*
Miniopterus_paululus	*1913*	*Hollister*
Sorex_roboratus	*1913*	*Hollister*
Proechimys_oconnelli	*1913*	*J.A. Allen*

Rhipidomys_caucensis	*1913*	*J.A. Allen*
Murina_ussuriensis	*1913*	*Ognev*
Akodon_orophilus	*1913*	*Osgood*
Oryzomys_polius	*1913*	*Osgood*
Philander_andersoni	*1913*	*Osgood*
Myoprocta_pratti	*1913*	*Pocock*
Amblysomus_septentrionalis	*1913*	*Roberts*
Aethomys_stannarius	*1913*	*Thomas*
Akodon_aerosus	*1913*	*Thomas*
Akodon_montensis	*1913*	*Thomas*
Calomys_musculinus	*1913*	*Thomas*
Chaerephon_ansorgei	*1913*	*Thomas*
Chaerephon_nigeriae	*1913*	*Thomas*
Chodsigoa_sodalis	*1913*	*Thomas*
Crocidura_hispida	*1913*	*Thomas*
Ctenomys_budini	*1913*	*Thomas*
Cyttarops_alecto	*1913*	*Thomas*
Episoriculus_fumidus	*1913*	*Thomas*
Glauconycteris_egeria	*1913*	*Thomas*
Hipposideros_lylei	*1913*	*Thomas*
Hipposideros_stenotis	*1913*	*Thomas*
Hipposideros_wollastoni	*1913*	*Thomas*
Hypsugo_musciculus	*1913*	*Thomas*
Lionycteris_spurrelli	*1913*	*Thomas*
Melomys_arcium	*1913*	*Thomas*
Melomys_lutillus	*1913*	*Thomas*
Oligoryzomys_arenalis	*1913*	*Thomas*
Oryzomys_hammondi	*1913*	*Thomas*
Otomops_wroughtoni	*1913*	*Thomas*
Paramelomys_mollis	*1913*	*Thomas*
Sylvisorex_ollula	*1913*	*Thomas*

Mesoplodon_mirus	*1913*	*TRUE*
Beamys_major	*1914*	*Dollman*
Graphiurus_christyi	*1914*	*Dollman*
Arvicanthis_blicki	*1914*	*Frick*
Stenocephalemys_albocaudata	*1914*	*Frick*
Mimon_cozumelae	*1914*	*Goldman*
Eptesicus_andinus	*1914*	*J.A. Allen*
Myotis_keaysi	*1914*	*J.A. Allen*
Nycteris_woodi	*1914*	*K. Andersen*
Monodelphis_palliolata	*1914*	*Osgood*
Oligoryzomys_andinus	*1914*	*Osgood*
Proechimys_poliopus	*1914*	*Osgood*
Thomasomys_ischyrus	*1914*	*Osgood*
Naemorhedus_baileyi	*1914*	*Pocock*
Chalinolobus_neocaledonicus	*1914*	*Revilliod*
Miniopterus_macrocneme	*1914*	*Revilliod*
Miniopterus_robustior	*1914*	*Revilliod*
Crocidura_negligens	*1914*	*Robinson & Kloss*
Mus_cookii	*1914*	*Ryley*
Thomasomys_rhoadsi	*1914*	*Stone*
Callicebus_lucifer	*1914*	*Thomas*
Dobsonia_anderseni	*1914*	*Thomas*
Eothenomys_miletus	*1914*	*Thomas*
Eumops_dabbenei	*1914*	*Thomas*
Kerivoula_flora	*1914*	*Thomas*
Kerivoula_myrella	*1914*	*Thomas*
Melanomys_robustulus	*1914*	*Thomas*
Millardia_kathleenae	*1914*	*Thomas*
Mus_shortridgei	*1914*	*Thomas*
Niviventer_brahma	*1914*	*Thomas*
Nyctimene_vizcaccia	*1914*	*Thomas*

Oryzomys_caracolus	*1914*	*Thomas*
Pharotis_imogene	*1914*	*Thomas*
Sorex_asper	*1914*	*Thomas*
Vespadelus_caurinus	*1914*	*Thomas*
Vespadelus_vulturnus	*1914*	*Thomas*
Manis_culionensis	*1915*	*de Elera*
Crocidura_attila	*1915*	*Dollman*
Crocidura_batesi	*1915*	*Dollman*
Crocidura_denti	*1915*	*Dollman*
Crocidura_erica	*1915*	*Dollman*
Crocidura_floweri	*1915*	*Dollman*
Crocidura_foxi	*1915*	*Dollman*
Crocidura_lusitania	*1915*	*Dollman*
Crocidura_macmillani	*1915*	*Dollman*
Crocidura_macowi	*1915*	*Dollman*
Crocidura_nigeriae	*1915*	*Dollman*
Crocidura_pasha	*1915*	*Dollman*
Crocidura_selina	*1915*	*Dollman*
Crocidura_tarella	*1915*	*Dollman*
Crocidura_ultima	*1915*	*Dollman*
Crocidura_zaphiri	*1915*	*Dollman*
Geomys_tropicalis	*1915*	*Goldman*
Tamias_sonomae	*1915*	*Grinnell*
Eptesicus_diminutus	*1915*	*Osgood*
Phyllotis_definitus	*1915*	*Osgood*
Blarinella_wardi	*1915*	*Thomas*
Hypsugo_joffrei	*1915*	*Thomas*
Hypsugo_kitcheneri	*1915*	*Thomas*
Hypsugo_lophurus	*1915*	*Thomas*
Mus_mayori	*1915*	*Thomas*
Myotis_moluccarum	*1915*	*Thomas*

Myotis_sicarius	*1915*	*Thomas*
Nyctophilus_bifax	*1915*	*Thomas*
Pipistrellus_paterculus	*1915*	*Thomas*
Pipistrellus_sturdeei	*1915*	*Thomas*
Promops_centralis	*1915*	*Thomas*
Sturnira_bidens	*1915*	*Thomas*
Taphozous_achates	*1915*	*Thomas*
Taphozous_georgianus	*1915*	*Thomas*
Taterillus_congicus	*1915*	*Thomas*
Tylonycteris_robustula	*1915*	*Thomas*
Trachypithecus_shortridgei	*1915*	*Wroughton*
Isolobodon_portoricensis	*1916*	*Allen*
Oligoryzomys_microtis	*1916*	*Allen*
Elasmodontomys_obliquus	*1916*	*Anthony*
Heteropsomys_insulans	*1916*	*Anthony*
Nesophontes_edithae	*1916*	*Anthony*
Tylomys_fulviventer	*1916*	*Anthony*
Cuscomys_oblativa	*1916*	*Eaton*
Corynorhinus_mexicanus	*1916*	*G.M. Allen*
Idionycteris_phyllotis	*1916*	*G.M. Allen*
Boromys_offella	*1916*	*G.S. Miller*
Brotomys_voratus	*1916*	*G.S. Miller*
Crocidura_caliginea	*1916*	*Hollister*
Crocidura_congobelgica	*1916*	*Hollister*
Crocidura_latona	*1916*	*Hollister*
Crocidura_ludia	*1916*	*Hollister*
Crocidura_polia	*1916*	*Hollister*
Surdisorex_polulus	*1916*	*Hollister*
Sylvisorex_oriundus	*1916*	*Hollister*
Rhipidomys_emiliae	*1916*	*J.A. Allen*
Pithecheir_parvus	*1916*	*Kloss*

Akodon_dayi	*1916*	*Osgood*
Artibeus_anderseni	*1916*	*Osgood*
Hylomys_parvus	*1916*	*Robinson & Kloss*
Maxomys_hylomyoides	*1916*	*Robinson & Kloss*
Maxomys_inflatus	*1916*	*Robinson & Kloss*
Mus_crociduroides	*1916*	*Robinson & Kloss*
Niviventer_fraternus	*1916*	*Robinson & Kloss*
Rattus_argentiventer	*1916*	*Robinson & Kloss*
Rattus_korinchi	*1916*	*Robinson & Kloss*
Akodon_dolores	*1916*	*Thomas*
Akodon_simulator	*1916*	*Thomas*
Bandicota_savilei	*1916*	*Thomas*
Berylmys_mackenziei	*1916*	*Thomas*
Berylmys_manipulus	*1916*	*Thomas*
Calomys_callidus	*1916*	*Thomas*
Ctenomys_porteousi	*1916*	*Thomas*
Dacnomys_millardi	*1916*	*Thomas*
Dendromus_nyasae	*1916*	*Thomas*
Eptesicus_dimissus	*1916*	*Thomas*
Histiotus_alienus	*1916*	*Thomas*
Histiotus_laephotis	*1916*	*Thomas*
Hypsugo_cadornae	*1916*	*Thomas*
Kerivoula_lenis	*1916*	*Thomas*
Mus_pahari	*1916*	*Thomas*
Niviventer_tenaster	*1916*	*Thomas*
Olallamys_edax	*1916*	*Thomas*
Phyllomys_lamarum	*1916*	*Thomas*
Thalpomys_lasiotis	*1916*	*Thomas*
Desmodilliscus_braueri	*1916*	*Wettstein*
Niviventer_eha	*1916*	*Wroughton*
Boromys_torrei	*1917*	*Allen*

Heteropsomys_antillensis	*1917*	*Anthony*
Phyllonycteris_major	*1917*	*Anthony*
Molossops_aequatorianus	*1917*	*Cabrera*
Mesocapromys_nanus	*1917*	*G.M. Allen*
Nesophontes_micrus	*1917*	*G.M. Allen*
Rhinolophus_siamensis	*1917*	*Gyldenstolpe*
Chaerephon_chapini	*1917*	*J.A. Allen*
Chaerephon_russatus	*1917*	*J.A. Allen*
Glauconycteris_alboguttata	*1917*	*J.A. Allen*
Glauconycteris_humeralis	*1917*	*J.A. Allen*
Hipposideros_abae	*1917*	*J.A. Allen*
Mops_congicus	*1917*	*J.A. Allen*
Mops_nanulus	*1917*	*J.A. Allen*
Mops_niangarae	*1917*	*J.A. Allen*
Mops_trevori	*1917*	*J.A. Allen*
Rhinolophus_bocharicus	*1917*	*Kastschenko & Akimov*
Suncus_malayanus	*1917*	*Kloss*
Cricetomys_kivuensis	*1917*	*L_nnberg*
Galago_matschiei	*1917*	*Lorenz*
Sauromys_petrophilus	*1917*	*Roberts*
Mustela_lutreolina	*1917*	*Robinson & Thomas*
Aconaemys_porteri	*1917*	*Thomas*
Akodon_surdus	*1917*	*Thomas*
Akodon_torques	*1917*	*Thomas*
Cricetulus_alticola	*1917*	*Thomas*
Ctenomys_haigi	*1917*	*Thomas*
Delomys_collinus	*1917*	*Thomas*
Deltamys_kempi	*1917*	*Thomas*
Diomys_crumpi	*1917*	*Thomas*
Lestoros_inca	*1917*	*Thomas*
Niviventer_culturatus	*1917*	*Thomas*

Oligoryzomys_delticola	*1917*	*Thomas*
Thomasomys_daphne	*1917*	*Thomas*
Thomasomys_gracilis	*1917*	*Thomas*
Thomasomys_notatus	*1917*	*Thomas*
Wyulda_squamicaudata	*1918*	*Alexander*
Mops_leucostigma	*1918*	*G.M. Allen*
Lipotes_vexillifer	*1918*	*G.S. Miller*
Rattus_satarae	*1918*	*Hinton*
Hipposideros_nequam	*1918*	*K. Andersen*
Hipposideros_pomona	*1918*	*K. Andersen*
Rhinolophus_madurensis	*1918*	*K. Andersen*
Rhinolophus_robinsoni	*1918*	*K. Andersen*
Rhinolophus_shortridgei	*1918*	*K. Andersen*
Akodon_budini	*1918*	*Thomas*
Cephalophus_adersi	*1918*	*Thomas*
Ctenomys_latro	*1918*	*Thomas*
Ctenomys_pontifex	*1918*	*Thomas*
Gerbillurus_vallinus	*1918*	*Thomas*
Gerbillus_acticola	*1918*	*Thomas*
Necromys_lactens	*1918*	*Thomas*
Otomys_burtoni	*1918*	*Thomas*
Parotomys_littledalei	*1918*	*Thomas*
Natalus_primus	*1919*	*Anthony*
Nesophontes_longirostris	*1919*	*Anthony*
Genetta_piscivora	*1919*	*J.A. Allen*
Cistugo_lesueuri	*1919*	*Roberts*
Neoromicia_melckorum	*1919*	*Roberts*
Mus_vulcani	*1919*	*Robinson & Kloss*
Microtus_daghestanicus	*1919*	*Shidlovsky*
Abrocoma_cinerea	*1919*	*Thomas*
Akodon_iniscatus	*1919*	*Thomas*

Akodon_neocenus	*1919*	*Thomas*
Ctenomys_fochi	*1919*	*Thomas*
Ctenomys_knighti	*1919*	*Thomas*
Ctenomys_sylvanus	*1919*	*Thomas*
Gerbillus_cheesmani	*1919*	*Thomas*
Gerbillus_floweri	*1919*	*Thomas*
Graomys_edithae	*1919*	*Thomas*
Necromys_benefactus	*1919*	*Thomas*
Tamias_ruficaudus	*1920*	*A.H. Howell*
Clidomys_osborni	*1920*	*Anthony*
Dactylomys_boliviensis	*1920*	*Anthony*
Microtus_kikuchii	*1920*	*Kuroda*
Eptesicus_chiriquinus	*1920*	*Simmons & Voss*
Abrocoma_budini	*1920*	*Thomas*
Abrocoma_famatina	*1920*	*Thomas*
Allactaga_hotsoni	*1920*	*Thomas*
Callithrix_emiliae	*1920*	*Thomas*
Calomyscus_baluchi	*1920*	*Thomas*
Calomyscus_hotsoni	*1920*	*Thomas*
Ctenomys_coludo	*1920*	*Thomas*
Ctenomys_famosus	*1920*	*Thomas*
Ctenomys_juris	*1920*	*Thomas*
Ctenomys_occultus	*1920*	*Thomas*
Diclidurus_isabellus	*1920*	*Thomas*
Dyacopterus_brooksi	*1920*	*Thomas*
Isothrix_negrensis	*1920*	*Thomas*
Lonchothrix_emiliae	*1920*	*Thomas*
Melomys_aerosus	*1920*	*Thomas*
Melomys_fraterculus	*1920*	*Thomas*
Melomys_fulgens	*1920*	*Thomas*
Nesoromys_ceramicus	*1920*	*Thomas*

Notoryctes_caurinus	*1920*	*Thomas*
Octomys_mimax	*1920*	*Thomas*
Pipistrellus_collinus	*1920*	*Thomas*
Pogonomys_sylvestris	*1920*	*Thomas*
Rattus_feliceus	*1920*	*Thomas*
Rhynchomeles_prattorum	*1920*	*Thomas*
Scapteromys_aquaticus	*1920*	*Thomas*
Tadarida_latouchei	*1920*	*Thomas*
Taphozous_hamiltoni	*1920*	*Thomas*
Gerbillus_nigeriae	*1920*	*Thomas & Hinton*
Mus_haussa	*1920*	*Thomas & Hinton*
Steatomys_cuppedius	*1920*	*Thomas & Hinton*
Caenolestes_caniventer	*1921*	*Anthony*
Cryptotis_montivaga	*1921*	*Anthony*
Ichthyomys_tweedii	*1921*	*Anthony*
Neusticomys_monticolus	*1921*	*Anthony*
Oecomys_rutilus	*1921*	*Anthony*
Hipposideros_curtus	*1921*	*G.M. Allen*
Sorex_sonomae	*1921*	*Jackson*
Mastomys_pernanus	*1921*	*Kershaw*
Callosciurus_adamsi	*1921*	*Kloss*
Bunomys_penitus	*1921*	*Miller & Hollister*
Cheiromeles_parvidens	*1921*	*Miller & Hollister*
Crocidura_elongata	*1921*	*Miller & Hollister*
Crocidura_lea	*1921*	*Miller & Hollister*
Crocidura_levicula	*1921*	*Miller & Hollister*
Crocidura_nigripes	*1921*	*Miller & Hollister*
Crocidura_rhoditis	*1921*	*Miller & Hollister*
Echiothrix_centrosa	*1921*	*Miller & Hollister*
Eropeplus_canus	*1921*	*Miller & Hollister*
Harpyionycteris_celebensis	*1921*	*Miller & Hollister*

Melasmothrix_naso	*1921*	*Miller & Hollister*
Taeromys_hamatus	*1921*	*Miller & Hollister*
Taeromys_punicans	*1921*	*Miller & Hollister*
Tarsius_dentatus	*1921*	*Miller & Hollister*
Tarsius_pumilus	*1921*	*Miller & Hollister*
Bassaricyon_beddardi	*1921*	*Pocock*
Maxomys_panglima	*1921*	*Robinson*
Abrocoma_shistacea	*1921*	*Thomas*
Abrocoma_vaccarum	*1921*	*Thomas*
Akodon_sylvanus	*1921*	*Thomas*
Akodon_toba	*1921*	*Thomas*
Chimarrogale_sumatrana	*1921*	*Thomas*
Cryptotis_medellinia	*1921*	*Thomas*
Ctenomys_goodfellowi	*1921*	*Thomas*
Ctenomys_johannis	*1921*	*Thomas*
Ctenomys_tulduco	*1921*	*Thomas*
Eothenomys_cachinus	*1921*	*Thomas*
Handleyomys_intectus	*1921*	*Thomas*
Lestodelphys_halli	*1921*	*Thomas*
Makalata_occasius	*1921*	*Thomas*
Melomys_caurinus	*1921*	*Thomas*
Melomys_talaudium	*1921*	*Thomas*
Microtus_irani	*1921*	*Thomas*
Monodelphis_theresa	*1921*	*Thomas*
Notomys_aquilo	*1921*	*Thomas*
Notomys_macrotis	*1921*	*Thomas*
Oxymycterus_akodontius	*1921*	*Thomas*
Paruromys_dominator	*1921*	*Thomas*
Pseudochirulus_caroli	*1921*	*Thomas*
Pseudomys_oralis	*1921*	*Thomas*
Rattus_bontanus	*1921*	*Thomas*

Rattus_marmosurus	*1921*	*Thomas*
Rhipidomys_austrinus	*1921*	*Thomas*
Acomys_airensis	*1921*	*Thomas & Hinton*
Tamias_siskiyou	*1922*	*A.H. Howell*
Isolobodon_montanus	*1922*	*G.S. Miller*
Sorex_preblei	*1922*	*Jackson*
Dinaromys_bogdanovi	*1922*	*Martino*
Sorex_buchariensis	*1922*	*Ognev*
Sorex_satunini	*1922*	*Ognev*
Sorex_volnuchini	*1922*	*Ognev*
Crocidura_indochinensis	*1922*	*Robinson & Kloss*
Leopoldamys_milleti	*1922*	*Robinson & Kloss*
Maxomys_moi	*1922*	*Robinson & Kloss*
Niviventer_langbianis	*1922*	*Robinson & Kloss*
Murina_fusca	*1922*	*Sowerby*
Callithrix_leucippe	*1922*	*Thomas*
Dorcopsulus_vanheurni	*1922*	*Thomas*
Mammelomys_lanosus	*1922*	*Thomas*
Mammelomys_rattoides	*1922*	*Thomas*
Meriones_sacramenti	*1922*	*Thomas*
Notomys_alexis	*1922*	*Thomas*
Notomys_mordax	*1922*	*Thomas*
Nyctimene_draconilla	*1922*	*Thomas*
Ochotona_gloveri	*1922*	*Thomas*
Ochotona_nubrica	*1922*	*Thomas*
Paramelomys_rubex	*1922*	*Thomas*
Phalanger_mimicus	*1922*	*Thomas*
Rattus_arrogans	*1922*	*Thomas*
Sciurotamias_forresti	*1922*	*Thomas*
Thylogale_lanatus	*1922*	*Thomas*
Uropsilus_investigator	*1922*	*Thomas*

Salpingotus_kozlovi	*1922*	*Vinogradov*
Thomasomys_caudivarius	*1923*	*Anthony*
Thomasomys_hudsoni	*1923*	*Anthony*
Chodsigoa_parca	*1923*	*G.M. Allen*
Chodsigoa_parva	*1923*	*G.M. Allen*
Crocidura_rapax	*1923*	*G.M. Allen*
Crocidura_vorax	*1923*	*G.M. Allen*
Myotis_frater	*1923*	*G.M. Allen*
Rhinolophus_rex	*1923*	*G.M. Allen*
Sorex_excelsus	*1923*	*G.M. Allen*
Eothenomys_proditor	*1923*	*Hinton*
Microtus_clarkei	*1923*	*Hinton*
Neodon_forresti	*1923*	*Hinton*
Spermophilus_relictus	*1923*	*Kashkarov*
Paraxerus_vexillarius	*1923*	*Kershaw*
Aethalops_alecto	*1923*	*Thomas*
Antechinus_adustus	*1923*	*Thomas*
Antechinus_godmani	*1923*	*Thomas*
Cercopithecus_lowei	*1923*	*Thomas*
Harpiocephalus_mordax	*1923*	*Thomas*
Monodelphis_maraxina	*1923*	*Thomas*
Myotis_hermani	*1923*	*Thomas*
Ochotona_forresti	*1923*	*Thomas*
Petrogale_godmani	*1923*	*Thomas*
Uromys_siebersi	*1923*	*Thomas*
Dipodillus_lowei	*1923*	*Thomas & Hinton*
Gerbillus_muriculus	*1923*	*Thomas & Hinton*
Gerbillus_nancillus	*1923*	*Thomas & Hinton*
Gerbillus_principulus	*1923*	*Thomas & Hinton*
Grammomys_aridulus	*1923*	*Thomas & Hinton*
Thallomys_shortridgei	*1923*	*Thomas & Hinton*

Akodon_latebricola	*1924*	*Anthony*
Artibeus_fraterculus	*1924*	*Anthony*
Caenolestes_convelatus	*1924*	*Anthony*
Scolomys_melanops	*1924*	*Anthony*
Sigmodon_inopinatus	*1924*	*Anthony*
Sturnira_ludovici	*1924*	*Anthony*
Thomasomys_cinnameus	*1924*	*Anthony*
Thomasomys_silvestris	*1924*	*Anthony*
Sorex_gaspensis	*1924*	*Anthony and Goodwin*
Meriones_arimalius	*1924*	*Cheesman & Hinton*
Nycteris_parisii	*1924*	*de Beaux*
Pelomys_isseli	*1924*	*de Beaux*
Alticola_semicanus	*1924*	*G.M. Allen*
Murina_puta	*1924*	*Kishida*
Crocidura_orii	*1924*	*Kuroda*
Crocidura_watasei	*1924*	*Kuroda*
Petrogale_purpureicollis	*1924*	*Le Souef*
Peromyscus_slevini	*1924*	*Mailliard*
Myomimus_personatus	*1924*	*Ognev*
Rhyncholestes_raphanurus	*1924*	*Osgood*
Neoromicia_zuluensis	*1924*	*Roberts*
Otomys_maximus	*1924*	*Roberts*
Apodemus_gurkha	*1924*	*Thomas*
Callicebus_oenanthe	*1924*	*Thomas*
Eumops_patagonicus	*1924*	*Thomas*
Melomys_rubicola	*1924*	*Thomas*
Solisorex_pearsoni	*1924*	*Thomas*
Sorex_isodon	*1924*	*Turov*
Lemmus_amurensis	*1924*	*Vinogradov*
Salpingotus_crassicauda	*1924*	*Vinogradov*
Allactaga_bullata	*1925*	*Allen*

Stylodipus_andrewsi	*1925*	*Allen*
Thomasomys_bombycinus	*1925*	*Anthony*
Allocricetulus_curtatus	*1925*	*G.M. Allen*
Dipodomys_gravipes	*1925*	*Huey*
Sorex_emarginatus	*1925*	*Jackson*
Sorex_veraecrucis	*1925*	*Jackson*
Notomys_fuscus	*1925*	*Jones*
Calomyscus_mystax	*1925*	*Kashkarov*
Marmota_menzbieri	*1925*	*Kashkarov*
Tachyoryctes_ruandae	*1925*	*L_nnberg and Gyldenstolpe*
Abrothrix_illuteus	*1925*	*Thomas*
Akodon_pervalens	*1925*	*Thomas*
Ctenomys_tuconax	*1925*	*Thomas*
Microcavia_shiptoni	*1925*	*Thomas*
Mus_callewaerti	*1925*	*Thomas*
Oryzomys_legatus	*1925*	*Thomas*
Psammomys_vexillaris	*1925*	*Thomas*
Graphiurus_rupicola	*1925*	*Thomas & Hinton*
Petromyscus_collinus	*1925*	*Thomas & Hinton*
Petromyscus_monticularis	*1925*	*Thomas & Hinton*
Saccolaimus_mixtus	*1925*	*Troughton*
Allactaga_severtzovi	*1925*	*Vinogradov*
Sicista_caucasica	*1925*	*Vinogradov*
Sorex_samniticus	*1926*	*Altobello*
Thomasomys_erro	*1926*	*Anthony*
Thomasomys_ladewi	*1926*	*Anthony*
Thomasomys_oreas	*1926*	*Anthony*
Eptesicus_gobiensis	*1926*	*Bobrinskii*
Hypsugo_alaschanicus	*1926*	*Bobrinskii*
Akodon_leucolimnaeus	*1926*	*Cabrera*
Mops_niveiventer	*1926*	*Cabrera & Ruxton*

Pelomys_minor	*1926*	*Cabrera & Ruxton*
Indopacetus_pacificus	*1926*	*Longman*
Mus_orangiae	*1926*	*Roberts*
Chaerephon_shortridgei	*1926*	*Thomas*
Ctenomys_lewisi	*1926*	*Thomas*
Ctenomys_viperinus	*1926*	*Thomas*
Mesomys_leniceps	*1926*	*Thomas*
Microgale_principula	*1926*	*Thomas*
Petrogale_herberti	*1926*	*Thomas*
Petromyscus_shortridgei	*1926*	*Thomas*
Rhipidomys_modicus	*1926*	*Thomas*
Thomasomys_eleusis	*1926*	*Thomas*
Vampyressa_melissa	*1926*	*Thomas*
Ctenomys_emilianus	*1926*	*Thomas & St. Leger*
Thomasomys_rosalinda	*1926*	*Thomas & St. Leger*
Lepus_comus	*1927*	*Allen*
Myosorex_geata	*1927*	*Allen & Loveridge*
Iomys_sipora	*1927*	*Chasen & Kloss*
Vernaya_fulva	*1927*	*G.M. Allen*
Neotoma_devia	*1927*	*Goldman*
Sturnira_bogotensis	*1927*	*Shamel*
Aotus_miconax	*1927*	*Thomas*
Callicebus_purinus	*1927*	*Thomas*
Callicebus_regulus	*1927*	*Thomas*
Hapalomys_delacouri	*1927*	*Thomas*
Myotis_scotti	*1927*	*Thomas*
Eremodipus_lichtensteini	*1927*	*Vinogradov*
Microtus_liechtensteini	*1927*	*Wettstein*
Ochotona_argentata	*1928*	*A.B. Howell*
Spermophilus_brunneus	*1928*	*A.H. Howell*
Peromyscus_stirtoni	*1928*	*Dickey*

Rheomys_thomasi	*1928*	*Dickey*
Moschus_berezovskii	*1928*	*Flerov*
Nesomys_lambertoni	*1928*	*G. Grandidier*
Rousettus_madagascariensis	*1928*	*G. Grandidier*
Cansumys_canus	*1928*	*G.M. Allen*
Myotis_fortidens	*1928*	*Miller & Allen*
Myotis_sodalis	*1928*	*Miller & Allen*
Eptesicus_kobayashii	*1928*	*Mori*
Crocidura_zarudnyi	*1928*	*Ognev*
Microtus_paradoxus	*1928*	*Ognev & Heptner*
Nilopegamys_plumbeus	*1928*	*Osgood*
Suncus_zeylanicus	*1928*	*Phillips*
Semnopithecus_ajax	*1928*	*Pocock*
Semnopithecus_hector	*1928*	*Pocock*
Scotophilus_celebensis	*1928*	*Sody*
Echimys_saturnus	*1928*	*Thomas*
Makalata_rhipidura	*1928*	*Thomas*
Platalina_genovensium	*1928*	*Thomas*
Wilfredomys_oenax	*1928*	*Thomas*
Planigale_tenuirostris	*1928*	*Troughton*
Salpingotus_thomasi	*1928*	*Vinogradov*
Neusticomys_venezuelae	*1929*	*Anthony*
Podoxymys_roraimae	*1929*	*Anthony*
Brotomys_contractus	*1929*	*G.S. Miller*
Hexolobodon_phenax	*1929*	*G.S. Miller*
Nesophontes_hypomicrus	*1929*	*G.S. Miller*
Nesophontes_paramicrus	*1929*	*G.S. Miller*
Nesophontes_zamicrus	*1929*	*G.S. Miller*
Quemisia_gravis	*1929*	*G.S. Miller*
Crocidura_serezkyensis	*1929*	*Laptev*
Nesoryzomys_darwini	*1929*	*Osgood*

Crocidura_miya	*1929*	*Phillips*
Srilankamys_ohiensis	*1929*	*Phillips*
Vandeleuria_nolthenii	*1929*	*Phillips*
Otomys_saundersiae	*1929*	*Roberts*
Pan_paniscus	*1929*	*Schwarz*
Gerbillus_rosalinda	*1929*	*St Leger*
Poelagus_marjorita	*1929*	*St. Leger*
Euroscaptor_klossi	*1929*	*Thomas*
Xerus_princeps	*1929*	*Thomas*
Pteropus_rennelli	*1929*	*Troughton*
Paradipus_ctenodactylus	*1929*	*Vinogradov*
Crocidura_sibirica	*1930*	*Dukelsky*
Pygeretmus_shitkovi	*1930*	*Kuznetsov*
Catagonus_wagneri	*1930*	*Rusconi*
Pteropus_nitendiensis	*1930*	*Sanborn*
Chacodelphys_formosa	*1930*	*Shamel*
Gracilinanus_formosus	*1930*	*Shamel*
Blanfordimys_bucharensis	*1930*	*Vinogradov*
Asellia_patrizii	*1931*	*de Beaux*
Sicista_strandi	*1931*	*Formozov*
Lasiurus_degelidus	*1931*	*G.S. Miller*
Lasiurus_minor	*1931*	*G.S. Miller*
Meriones_vinogradovi	*1931*	*Heptner*
Propithecus_perrieri	*1931*	*Lavauden*
Orthogeomys_underwoodi	*1931*	*Osgood*
Amblysomus_marleyi	*1931*	*Roberts*
Miniopterus_magnater	*1931*	*Sanborn*
Pteropus_mahaganus	*1931*	*Sanborn*
Bibimys_chacoensis	*1931*	*Shamel*
Gracilinanus_aceramarcae	*1931*	*Tate*
Marmosa_rubra	*1931*	*Tate*

Marmosa_tyleriana	*1931*	*Tate*
Marmosops_juninensis	*1931*	*Tate*
Marmosops_parvidens	*1931*	*Tate*
Marmosops_paulensis	*1931*	*Tate*
Micoureus_paraguayanus	*1931*	*Tate*
Chaerephon_solomonis	*1931*	*Troughton*
Nyctimene_sanctacrucis	*1931*	*Troughton*
Pteropus_howensis	*1931*	*Troughton*
Talpa_stankovici	*1931*	*V. Martino & E. Martino*
Otonyctomys_hatti	*1932*	*Anthony*
Eulemur_sanfordi	*1932*	*Archbold*
Crocidura_pitmani	*1932*	*Barclay*
Neotoma_bunkeri	*1932*	*Burt*
Peromyscus_caniceps	*1932*	*Burt*
Peromyscus_dickeyi	*1932*	*Burt*
Peromyscus_interparietalis	*1932*	*Burt*
Peromyscus_pembertoni	*1932*	*Burt*
Peromyscus_pseudocrinitus	*1932*	*Burt*
Peromyscus_sejugis	*1932*	*Burt*
Pseudomys_apodemoides	*1932*	*Finlayson*
Peromyscus_grandis	*1932*	*Goodwin*
Sigmodon_zanjonensis	*1932*	*Goodwin*
Sorex_jacksoni	*1932*	*Hall & Gilmore*
Bassaricyon_lasius	*1932*	*Harris*
Heteromys_oresterus	*1932*	*Harris*
Sigmodontomys_aphrastus	*1932*	*Harris*
Sylvilagus_dicei	*1932*	*Harris*
Dremomys_gularis	*1932*	*Osgood*
Eudiscopus_denticulus	*1932*	*Osgood*
Muntiacus_rooseveltorum	*1932*	*Osgood*
Trachypithecus_delacouri	*1932*	*Osgood*

Mus_fernandoni	*1932*	*Phillips*
Rattus_montanus	*1932*	*Phillips*
Suncus_fellowesgordoni	*1932*	*Phillips*
Leptomys_ernstmayri	*1932*	*R^{a}mmler*
Dactylopsila_megalura	*1932*	*Rothschild & Dollman*
Pogonomelomys_mayeri	*1932*	*Rothschild & Dollman*
Pseudochirulus_mayeri	*1932*	*Rothschild & Dollman*
Eumops_hansae	*1932*	*Sanborn*
Cercopithecus_dryas	*1932*	*Schwarz*
Sundamys_maxi	*1932*	*Sody*
Taeromys_taerae	*1932*	*Sody*
Echymipera_clara	*1932*	*Stein*
Microperoryctes_murina	*1932*	*Stein*
Pseudomys_bolami	*1932*	*Troughton*
Pseudomys_desertor	*1932*	*Troughton*
Sminthopsis_granulipes	*1932*	*Troughton*
Tokudaia_osimensis	*1933*	*Abe*
Vespadelus_darlingtoni	*1933*	*Allen*
Microtus_schidlovskii	*1933*	*Argyropulo*
Otomys_lacustris	*1933*	*G.M. Allen & Loveridge*
Cryptotis_goodwini	*1933*	*Jackson*
Cryptotis_griseoventris	*1933*	*Jackson*
Sorex_leucogaster	*1933*	*Kuroda*
Alouatta_pigra	*1933*	*Lawrence*
Dendromus_leucostomus	*1933*	*Monard*
Sigmodon_planifrons	*1933*	*Nelson & Goldman*
Juliomys_pictipes	*1933*	*Osgood*
Microryzomys_altissimus	*1933*	*Osgood*
Mastomys_shortridgei	*1933*	*St. Leger*
Hyomys_dammermani	*1933*	*Stein*
Macruromys_elegans	*1933*	*Stein*

Pteropus_pohlei	*1933*	*Stein*
Pseudomys_fumeus	*1934*	*Brazenor*
Microgale_drouhardi	*1934*	*G. Grandidier*
Microgale_parvula	*1934*	*G. Grandidier*
Marmota_broweri	*1934*	*Hall & Gilmore*
Lophuromys_luteogaster	*1934*	*Hatt*
Praomys_lukolelae	*1934*	*Hatt*
Praomys_minor	*1934*	*Hatt*
Thamnomys_major	*1934*	*Hatt*
Myotis_schaubi	*1934*	*Kormos*
Ochotona_turuchanensis	*1934*	*Naumov*
Pseudohydromys_murinus	*1934*	*Rªmmler*
Ctenomys_australis	*1934*	*Rusconi*
Crocidura_macarthuri	*1934*	*St. Leger*
Pteropus_tokudae	*1934*	*Tate*
Chiropodomys_calamianensis	*1934*	*Taylor*
Crocidura_palawanensis	*1934*	*Taylor*
Megaerops_wetmorei	*1934*	*Taylor*
Hyosciurus_heinrichi	*1935*	*Archbold & Tate*
Gazella_saudiya	*1935*	*Carruthers & Schwarz*
Steatomys_jacksoni	*1935*	*Hayman*
Anourosorex_yamashinai	*1935*	*Kuroda*
Eptesicus_bobrinskoi	*1935*	*Kuzyakin*
Laephotis_angolensis	*1935*	*Monard*
Sicista_severtzovi	*1935*	*Ognev*
Macruromys_major	*1935*	*Rªmmler*
Melomys_dollmani	*1935*	*Rªmmler*
Paramelomys_steini	*1935*	*Rªmmler*
Rattus_arfakiensis	*1935*	*Rªmmler*
Rattus_jobiensis	*1935*	*Rªmmler*
Rattus_steini	*1935*	*Rªmmler*

Micronycteris_schmidtorum	*1935*	*Sanborn*
Abeomelomys_sevia	*1935*	*Tate & Archbold*
Hydromys_neobritannicus	*1935*	*Tate & Archbold*
Rattus_mollicomulus	*1935*	*Tate & Archbold*
Rattus_salocco	*1935*	*Tate & Archbold*
Taeromys_arcuatus	*1935*	*Tate & Archbold*
Taeromys_microbullatus	*1935*	*Tate & Archbold*
Uromys_neobritannicus	*1935*	*Tate & Archbold*
Solomys_ponceleti	*1935*	*Troughton*
Notomys_amplus	*1936*	*Brazenor*
Gerbillus_hesperinus	*1936*	*Cabrera*
Bassaricyon_pauli	*1936*	*Enders*
Hipposideros_grandis	*1936*	*G.M. Allen*
Acomys_seurati	*1936*	*Heim de Balsac*
Galago_orinus	*1936*	*Lawrence & Washburn*
Monodelphis_umbristriata	*1936*	*Miranda-Ribeiro*
Crocidura_baileyi	*1936*	*Osgood*
Crocidura_phaeura	*1936*	*Osgood*
Crocidura_zimmeri	*1936*	*Osgood*
Dendromus_oreas	*1936*	*Osgood*
Hybomys_badius	*1936*	*Osgood*
Lophuromys_brevicaudus	*1936*	*Osgood*
Lophuromys_chrysopus	*1936*	*Osgood*
Ruwenzorisorex_suncoides	*1936*	*Osgood*
Miniopterus_africanus	*1936*	*Sanborn*
Crocidura_maxi	*1936*	*Sody*
Scotophilus_collinus	*1936*	*Sody*
Graphiurus_monardi	*1936*	*St. Leger*
Apodemus_ponticus	*1936*	*Sviridenko*
Hyosciurus_ileile	*1936*	*Tate & Archbold*
Melomys_bougainville	*1936*	*Troughton*

Solomys_salebrosus	*1936*	*Troughton*
Dendrolagus_spadix	*1936*	*Troughton & Le Souef*
Kadarsanomys_sodyi	*1937*	*Bartels*
Crocidura_katinka	*1937*	*Bate*
Myomimus_roachi	*1937*	*Bate*
Nycteris_madagascariensis	*1937*	*G. Grandidier*
Rhinopoma_macinnesi	*1937*	*Hayman*
Meriones_zarudnyi	*1937*	*Heptner*
Dendromus_vernayi	*1937*	*Hill & Carter*
Otomys_cuanzensis	*1937*	*Hill & Carter*
Allactodipus_bobrinskii	*1937*	*Kolesnikov*
Sorex_mirabilis	*1937*	*Ognev*
Tasmacetus_shepherdi	*1937*	*Oliver*
Coryphomys_buehleri	*1937*	*Schaub*
Scotorepens_orion	*1937*	*Troughton*
Scotorepens_sanborni	*1937*	*Troughton*
Bos_sauveli	*1937*	*Urbain*
Spilocuscus_rufoniger	*1937*	*Zimara*
Sorex_averini	*1937*	*Zubko*
Spermophilus_washingtoni	*1938*	*A.H. Howell*
Monodelphis_osgoodi	*1938*	*Doutt*
Aethalops_aequalis	*1938*	*G.M. Allen*
Calomyscus_elburzensis	*1938*	*Goodwin*
Sturnira_mordax	*1938*	*Goodwin*
Crocidura_tanakae	*1938*	*Kuroda*
Glossophaga_morenoi	*1938*	*Martinez & Villa*
Nesoryzomys_swarthi	*1938*	*Orr*
Aethomys_silindensis	*1938*	*Roberts*
Cryptochloris_zyli	*1938*	*Shortridge & Carter*
Petromyscus_barbouri	*1938*	*Shortridge & Carter*
Paramurexia_rothschildi	*1938*	*Tate*

Leptomys_signatus	*1938*	*Tate & Archbold*
Myotis_hajastanicus	*1939*	*Argyropulo*
Selevinia_betpakdalaensis	*1939*	*Belosludov & Bazhanov*
Reithrodontomys_burti	*1939*	*Benson*
Glischropus_javanus	*1939*	*Chasen*
Hylopetes_bartelsi	*1939*	*Chasen*
Otomops_formosus	*1939*	*Chasen*
Rattus_hoogerwerfi	*1939*	*Chasen*
Cratogeomys_zinseri	*1939*	*Goldman*
Glauconycteris_superba	*1939*	*Hayman*
Callicebus_baptista	*1939*	*L_nnberg*
Callicebus_modestus	*1939*	*L_nnberg*
Callicebus_olallae	*1939*	*L_nnberg*
Haplonycteris_fischeri	*1939*	*Lawrence*
Reithrodontomys_darienensis	*1939*	*Pearson*
Sorex_maritimensis	*1939*	*R. Smith*
Petinomys_mindanensis	*1939*	*Rabor*
Spalax_arenarius	*1939*	*Reshetnik*
Rhinolophus_formosae	*1939*	*Sanborn*
Rhinolophus_osgoodi	*1939*	*Sanborn*
Oecomys_auyantepui	*1939*	*Tate*
Proechimys_hoplomyoides	*1939*	*Tate*
Spalax_uralensis	*1939*	*Tiflov & Usov*
Hylopetes_sipora	*1940*	*Chasen*
Niviventer_cameroni	*1940*	*Chasen*
Euroscaptor_grandis	*1940*	*G.S. Miller*
Euroscaptor_parvidens	*1940*	*G.S. Miller*
Eumops_underwoodi	*1940*	*Goodwin*
Genetta_cristata	*1940*	*Hayman in Sanborn*
Mogera_tokudae	*1940*	*Kuroda*
Leptonycteris_yerbabuenae	*1940*	*Martinez & Villa*

Crocidura_picea	*1940*	*Sanderson*
Crocidura_virgata	*1940*	*Sanderson*
Hipposideros_pelingensis	*1940*	*Shamel*
Rattus_adustus	*1940*	*Sody*
Petaurus_biacensis	*1940*	*Ulmer*
Allactaga_vinogradovi	*1941*	*Argyropulo*
Maxomys_dollmani	*1941*	*Ellerman*
Rattus_pococki	*1941*	*Ellerman*
Alouatta_nigerrima	*1941*	*L_nnberg*
Tympanoctomys_barrerae	*1941*	*Lawrence*
Thrichomys_inermis	*1941*	*Pictet*
Komodomys_rintjanus	*1941*	*Sody*
Rattus_elaphinus	*1941*	*Sody*
Rattus_pelurus	*1941*	*Sody*
Hipposideros_breviceps	*1941*	*Tate*
Hipposideros_macrobullatus	*1941*	*Tate*
Kerivoula_muscina	*1941*	*Tate*
Coccymys_ruemmleri	*1941*	*Tate & Archbold*
Hydromys_habbema	*1941*	*Tate & Archbold*
Microhydromys_richardsoni	*1941*	*Tate & Archbold*
Micromurexia_habbema	*1941*	*Tate & Archbold*
Paraleptomys_wilhelmina	*1941*	*Tate & Archbold*
Planigale_novaeguineae	*1941*	*Tate & Archbold*
Rattus_blangorum	*1942*	*G.S. Miller*
Rhinolophus_ruwenzorii	*1942*	*Hill*
Hypsugo_anthonyi	*1942*	*Tate*
Paranyctimene_raptor	*1942*	*Tate*
Molossops_mattogrossensis	*1942*	*Vieira*
Lagorchestes_asomatus	*1943*	*Finlayson*
Reithrodontomys_brevirostris	*1943*	*Goodwin*
Reithrodontomys_rodriguezi	*1943*	*Goodwin*

Gerbillus_mauritaniae	*1943*	*Heim de Balsac*
Hydromys_shawmayeri	*1943*	*Hinton*
Protochromys_fellowsi	*1943*	*Hinton*
Gracilinanus_agricolai	*1943*	*Moojen*
Abrothrix_sanborni	*1943*	*Osgood*
Octodon_lunatus	*1943*	*Osgood*
Punomys_lemminus	*1943*	*Osgood*
Scotonycteris_ophiodon	*1943*	*Pohle*
Rhinolophus_shameli	*1943*	*Tate*
Akodon_subfuscus	*1944*	*Osgood*
Sciurus_sanborni	*1944*	*Osgood*
Lophocebus_opdenboschi	*1944*	*Scouteden*
Myotis_abei	*1944*	*Yoshikura*
Sorex_ugyunak	*1945*	*Anderson & Rand*
Nesiotites_hidalgo	*1945*	*Bate*
Chrotomys_mindorensis	*1945*	*Kellogg*
Rattus_morotaiensis	*1945*	*Kellogg*
Phyllotis_osgoodi	*1945*	*Mann*
Paraleptomys_rufilatus	*1945*	*Osgood*
Peromyscus_perfulvus	*1945*	*Osgood*
Pseudochirulus_cinereus	*1945*	*Tate*
Strigocuscus_pelengensis	*1945*	*Tate*
Cremnomys_elvira	*1946*	*Ellerman*
Neopteryx_frosti	*1946*	*Hayman*
Tokudaia_muenninki	*1946*	*Johnson*
Ctenomys_conoveri	*1946*	*Osgood*
Crocidura_maquassiensis	*1946*	*Roberts*
Alticola_barakshin	*1947*	*Bannikov*
Paracoelops_megalotis	*1947*	*Dorst*
Hipposideros_jonesi	*1947*	*Hayman*
Sorex_milleri	*1947*	*Jackson*

Ctenomys_peruanus	*1947*	*Sanborn & Pearson*
Ochotona_thomasi	*1948*	*Argyropulo*
Proechimys_magdalenae	*1948*	*Hershkovitz*
Proechimys_quadruplicatus	*1948*	*Hershkovitz*
Plagiodontia_ipnaeum	*1948*	*Johnson*
Spermophilus_ralli	*1948*	*Kuznetsov*
Otomops_papuensis	*1948*	*Lawrence*
Trinomys_gratiosus	*1948*	*Moojen*
Trinomys_paratus	*1948*	*Moojen*
Dicrostonyx_vinogradovi	*1948*	*Ognev*
Eliurus_webbi	*1949*	*Ellerman*
Melanomys_zunigae	*1949*	*Sanborn*
Neonycteris_pusilla	*1949*	*Sanborn*
Trinycteris_nicefori	*1949*	*Sanborn*
Babyrousa_togeanensis	*1949*	*Sody*
Hylopetes_winstoni	*1949*	*Sody*
Tarsius_pelengensis	*1949*	*Sody*
Sicista_pseudonapaea	*1949*	*Strautman*
Rattus_richardsoni	*1949*	*Tate*
Chrysochloris_visagiei	*1950*	*Broom*
Paraxerus_cooperi	*1950*	*Hayman*
Paraxerus_vincenti	*1950*	*Hayman*
Babyrousa_bolabatuensis	*1950*	*Hooijer*
Myotis_bucharensis	*1950*	*Kuzyakin*
Phyllomys_kerri	*1950*	*Moojen*
Alticola_tuvinicus	*1950*	*Ognev*
Acerodon_leucotis	*1950*	*Sanborn*
Epomophorus_grandis	*1950*	*Sanborn*
Cryptotis_endersi	*1950*	*Setzer*
Neotoma_angustapalata	*1951*	*Baker*
Peromyscus_ochraventer	*1951*	*Baker*

Rhinolophus_paradoxolophus	*1951*	*Bourret*
Chaetodipus_lineatus	*1951*	*Dalquest*
Nomascus_siki	*1951*	*Delacour*
Eptesicus_tatei	*1951*	*Ellerman & Morrison-Scott*
Tonatia_saurophila	*1951*	*Koopman & Williams*
Myotis_rosseti	*1951*	*Oey*
Caluromysiops_irrupta	*1951*	*Sanborn*
Saguinus_inustus	*1951*	*Schwarz*
Coccymys_albidens	*1951*	*Tate*
Melomys_capensis	*1951*	*Tate*
Melomys_frigicola	*1951*	*Tate*
Pseudohydromys_occidentalis	*1951*	*Tate*
Pseudomys_occidentalis	*1951*	*Tate*
Otomops_secundus	*1952*	*Hayman*
Apodemus_alpicola	*1952*	*Heinrich*
Microtus_tatricus	*1952*	*Kratochv• l*
Dactylopsila_tatei	*1952*	*Laurie*
Microperoryctes_papuensis	*1952*	*Laurie*
Pogonomys_fergussoniensis	*1952*	*Laurie*
Pseudohydromys_fuscus	*1952*	*Laurie*
Crocidura_negrina	*1952*	*Rabor*
Dobsonia_chapmani	*1952*	*Rabor*
Abditomys_latidens	*1952*	*Sanborn*
Apomys_abrae	*1952*	*Sanborn*
Apomys_littoralis	*1952*	*Sanborn*
Sundasciurus_davensis	*1952*	*Sanborn*
Sundasciurus_hoogstraali	*1952*	*Sanborn*
Sorex_kozlovi	*1952*	*Stroganov*
Taphozous_troughtoni	*1952*	*Tate*
Xenothrix_mcgregori	*1952*	*Williams & Koopman*
Otomops_madagascariensis	*1953*	*Dorst*

Eptesicus_japonensis	*1953*	*Imaizumi*
Otomys_barbouri	*1953*	*Lawrence & Loveridge*
Otomys_uzungwensis	*1953*	*Lawrence & Loveridge*
Dasymys_alleni	*1953*	*Lawrence and Loveridge*
Batomys_salomonseni	*1953*	*Sanborn*
Myomyscus_yemeni	*1953*	*Sanborn & Hoogstraal*
Zalophus_wollebaeki	*1953*	*Sivertsen*
Crocidura_zimmermanni	*1953*	*Wettstein*
Hipposideros_marisae	*1954*	*Aellen*
Micropotamogale_lamottei	*1954*	*Heim de Balsac*
Myotis_hosonoi	*1954*	*Imaizumi*
Myotis_ozensis	*1954*	*Imaizumi*
Sorex_hosonoi	*1954*	*Imaizumi*
Pseudantechinus_bilarni	*1954*	*Johnson*
Hipposideros_inexpectatus	*1954*	*Laurie & Hill*
Nyctophilus_microdon	*1954*	*Laurie & Hill*
Pseudohydromys_ellermani	*1954*	*Laurie & Hill*
Myotis_planiceps	*1955*	*Baker*
Myotis_auriculus	*1955*	*Baker & Stains*
Micropotamogale_ruwenzorii	*1955*	*de Witte & Frechkop*
Myotis_cobanensis	*1955*	*Goodwin*
Pelomys_hopkinsi	*1955*	*Hayman*
Diclidurus_ingens	*1955*	*Hernandez-Camacho*
Carpitalpa_arendsi	*1955*	*Lundholm*
Microtus_sachalinensis	*1955*	*Vasin*
Hipposideros_camerunensis	*1956*	*Eisentraut*
Lagenodelphis_hosei	*1956*	*Fraser*
Mormopterus_phrudus	*1956*	*Handley*
Thylamys_tatei	*1956*	*Handley*
Gerbillus_mesopotamiae	*1956*	*Harrison*
Crocidura_nimbae	*1956*	*Heim de Balsac*

Paracrocidura_schoutedeni	*1956*	*Heim de Balsac*
Congosorex_polli	*1956*	*Heim de Balsac & Lamotte*
Myosorex_babaulti	*1956*	*Heim de Balsac & Lamotte*
Myosorex_zinki	*1956*	*Heim de Balsac & Lamotte*
Emballonura_dianae	*1956*	*Hill*
Trachypithecus_geei	*1956*	*Khajuria*
Sorex_portenkoi	*1956*	*Stroganov*
Pipistrellus_permixtus	*1957*	*Aellen*
Crocidura_eisentrauti	*1957*	*Heim de Balsac*
Microsciurus_santanderensis	*1957*	*Hernandez-Camacho*
Spelaeomys_florensis	*1957*	*Hooijer*
Mogera_imaizumii	*1957*	*Kuroda*
Miniopterus_shortridgei	*1957*	*Laurie & Hill*
Mastomys_kollmannspergeri	*1957*	*Petter*
Pappogeomys_alcorni	*1957*	*Russell*
Dorcopsis_atrata	*1957*	*Van Deusen*
Malacomys_cansdalei	*1958*	*Ansell*
Chiroderma_trinitatum	*1958*	*Goodwin*
Cynomops_greenhalli	*1958*	*Goodwin*
Rhogeessa_aeneus	*1958*	*Goodwin*
Chimarrogale_hantu	*1958*	*Harrison*
Liberiictis_kuhni	*1958*	*Hayman*
Crocidura_douceti	*1958*	*Heim de Balsac*
Crocidura_jouvenetae	*1958*	*Heim de Balsac*
Crocidura_obscurior	*1958*	*Heim de Balsac*
Crocidura_wimmeri	*1958*	*Heim de Balsac & Aellen*
Prosciurillus_abstrusus	*1958*	*Moore*
Mesoplodon_ginkgodens	*1958*	*Nishiwaki & Kamiya*
Phocoena_sinus	*1958*	*Norris & McFarland*
Phyllotis_caprinus	*1958*	*Pearson*
Gerbillus_perpallidus	*1958*	*Setzer*

Nycteris_intermedia	*1959*	*Aellen*
Pipistrellus_inexspectatus	*1959*	*Aellen*
Rhinolophus_silvestris	*1959*	*Aellen*
Gerbillurus_tytonis	*1959*	*Bauer & Niethammer*
Sturnira_tildae	*1959*	*de la Torre*
Natalus_jamaicensis	*1959*	*Goodwin*
Rheomys_mexicanus	*1959*	*Goodwin*
Paracrocidura_maxima	*1959*	*Heim de Balsac*
Mazama_chunyi	*1959*	*Hershkovitz*
Pipistrellus_endoi	*1959*	*Imaizumi*
Nyctophilus_arnhemensis	*1959*	*Johnson*
Macrotarsomys_ingens	*1959*	*Petter*
Neohylomys_hainanensis	*1959*	*Shaw & Wong*
Bauerus_dubiaquercus	*1959*	*Van Gelder*
Myotis_anjouanensis	*1960*	*Dorst*
Rhinolophus_guineensis	*1960*	*Eisentraut*
Anoura_cultrata	*1960*	*Handley*
Lasiurus_castaneus	*1960*	*Handley*
Myotis_riparius	*1960*	*Handley*
Hypsugo_bodenheimeri	*1960*	*Harrison*
Rattus_giluwensis	*1960*	*Hill*
Calomys_hummelincki	*1960*	*Husson*
Alticola_olchonensis	*1960*	*Litvinov*
Hipposideros_sumbae	*1960*	*Oei*
Musonycteris_harrisoni	*1960*	*Schaldach & McLaughlin*
Lasiurus_insularis	*1961*	*Hall & Jones*
Myodes_imaizumii	*1961*	*Jameson*
Tragulus_williamsoni	*1961*	*Kloss*
Microtus_brachycercus	*1961*	*Lehmann*
Mystacina_robusta	*1962*	*Dwyer*
Glossophaga_commissarisi	*1962*	*Gardner*

Myotis_elegans	*1962*	*Hall*
Delanymys_brooksi	*1962*	*Hayman*
Apomys_sacobianus	*1962*	*Johnson*
Microtus_bavaricus	*1962*	*K_nig*
Solenodon_marcanoi	*1962*	*Patterson*
Ochotona_muliensis	*1962*	*Pen & Feng*
Brachytarsomys_villosa	*1962*	*Petter*
Meriones_dahli	*1962*	*Shidlovsky*
Crocidura_armenica	*1963*	*Gureev*
Pseudois_schaeferi	*1963*	*Haltenorth*
Ichthyomys_pittieri	*1963*	*Handley & Mondolfi*
Glauconycteris_machadoi	*1963*	*Hayman*
Micropteropus_intermedius	*1963*	*Hayman*
Callicebus_medemi	*1963*	*Hershkovitz*
Microtus_felteni	*1963*	*Malec & Storch*
Mesoplodon_carlhubbsi	*1963*	*Moore*
Anourosorex_schmidi	*1963*	*Petter*
Lepus_starcki	*1963*	*Petter*
Phyllotis_bonariensis	*1964*	*Crespo*
Artibeus_inopinatus	*1964*	*Davis & Carter*
Chaerephon_bregullae	*1964*	*Felten*
Habromys_ixtlani	*1964*	*Goodwin*
Glyphonycteris_daviesi	*1964*	*Hill*
Murina_aenea	*1964*	*Hill*
Allactaga_balikunica	*1964*	*Hsia & Fang*
Megadontomys_cryophilus	*1964*	*Musser*
Megaoryzomys_curioi	*1964*	*Niethammer*
Plagiodontia_araeum	*1964*	*Ray*
Dasykaluta_rosamondae	*1964*	*Ride*
Sminthopsis_ooldea	*1964*	*Troughton*
Lophuromys_rahmi	*1964*	*Verheyen*

Meriones_chengi	*1964*	*Wang*
Crocidura_crenata	*1965*	*Brosset, DuBost & Heim de Balsac*
Crocidura_grassei	*1965*	*Brosset, DuBost & Heim de Balsac*
Heimyscus_fumosus	*1965*	*Brosset, DuBost & Heim de Balsac*
Hylomyscus_parvus	*1965*	*Brosset, DuBost & Heim de Balsac*
Suncus_remyi	*1965*	*Brosset, DuBost & Heim de Balsac*
Nycteris_vinsoni	*1965*	*Dalquest*
Grammomys_poensis	*1965*	*Eisentraut*
Hybomys_basilii	*1965*	*Eisentraut*
Hylomyscus_baeri	*1965*	*Heim de Balsac & Aellen*
Reithrodontomys_spectabilis	*1965*	*Jones & Lawlor*
Chiropodomys_muroides	*1965*	*Medway*
Suncus_ater	*1965*	*Medway*
Juscelinomys_candango	*1965*	*Moojen*
Rhinophylla_fischerae	*1966*	*Carter*
Sturnira_magna	*1966*	*de la Torre*
Sturnira_thomasi	*1966*	*de la Torre & Schwartz*
Salpingotulus_michaelis	*1966*	*Fitzgibbon*
Microtus_oaxacensis	*1966*	*Goodwin*
Choeroniscus_periosus	*1966*	*Handley*
Rhinophylla_alethina	*1966*	*Handley*
Crocidura_glassi	*1966*	*Heim de Balsac*
Crocidura_greenwoodi	*1966*	*Heim de Balsac*
Myosorex_schalleri	*1966*	*Heim de Balsac*
Dendroprionomys_rousseloti	*1966*	*Petter*
Chalinolobus_dwyeri	*1966*	*Ryan*
Cryptotis_phillipsii	*1966*	*Schaldach*
Crocidura_wuchihensis	*1966*	*Wang*
Dipodillus_jamesi	*1967*	*Harrison*
Dephomys_eburneae	*1967*	*Heim de Balsac and Bellier*
Prionailurus_iriomotensis	*1967*	*Imaizumi*

Cynomops_mexicanus	*1967*	*Jones & Genoways*
Micronycteris_homezi	*1967*	*Pirlot*
Lemmus_portenkoi	*1967*	*Tchernyavsky*
Bettongia_tropica	*1967*	*Wakefield*
Dicrostonyx_nunatakensis	*1967*	*Youngman*
Rhinolophus_adami	*1968*	*Aellen & Brosset*
Akodon_molinae	*1968*	*Contreras*
Uroderma_magnirostrum	*1968*	*Davis*
Lemniscomys_mittendorfi	*1968*	*Eisentraut*
Praomys_hartwigi	*1968*	*Eisentraut*
Dryomys_laniger	*1968*	*Felten & Storch*
Crocidura_kivuana	*1968*	*Heim de Balsac*
Crocidura_lamottei	*1968*	*Heim de Balsac*
Crocidura_lanosa	*1968*	*Heim de Balsac*
Crocidura_theresae	*1968*	*Heim de Balsac*
Myosorex_eisentrauti	*1968*	*Heim de Balsac*
Myosorex_okuensis	*1968*	*Heim de Balsac*
Myosorex_rumpii	*1968*	*Heim de Balsac*
Sylvisorex_camerunensis	*1968*	*Heim de Balsac*
Sylvisorex_isabellae	*1968*	*Heim de Balsac*
Hypsugo_eisentrauti	*1968*	*Hill*
Nyctalus_furvus	*1968*	*Imaizumi and Yoshiyuki*
Tadarida_kuboriensis	*1968*	*McKean & Calaby*
Dasypus_sabanicola	*1968*	*Mondolfi*
Vampyressa_brocki	*1968*	*Peterson*
Sturnira_aratathomasi	*1968*	*Peterson & Tamsitt*
Thylamys_karimii	*1968*	*Petter*
Nyctimene_malaitensis	*1968*	*Phillips*
Calcochloris_tytonis	*1968*	*Simonetta*
Rattus_ranjiniae	*1969*	*Agrawal & Ghosal*
Dendromus_kahuziensis	*1969*	*Dieterlen*

Hylomyscus_grandis	*1969*	*Eisentraut*
Mus_mattheyi	*1969*	*F. Petter*
Alionycteris_paucidentata	*1969*	*Kock*
Otopteropus_cartilagonodus	*1969*	*Kock*
Tateomys_rhinogradoides	*1969*	*Musser*
Pteropus_gilliardorum	*1969*	*Van Deusen*
Salpingotus_heptneri	*1969*	*Vorontsov & Smirnov*
Ellobius_alaicus	*1969*	*Vorontsov, Liapounova et al.*
Nesophontes_major	*1970*	*Arredondo*
Nesophontes_submicrus	*1970*	*Arredondo*
Cryptotis_merriami	*1970*	*Choate*
Trachypithecus_hatinhensis	*1970*	*Dao*
Mus_goundae	*1970*	*F. Petter & Genest*
Mus_oubanguii	*1970*	*F. Petter & Genest*
Reithrodontomys_paradoxus	*1970*	*Jones & Genoways*
Hipposideros_durgadasi	*1970*	*Khajuria*
Ctenomys_rionegrensis	*1970*	*Langguth & Abella*
Hipposideros_inornatus	*1970*	*McKean*
Mesocapromys_auritus	*1970*	*Varona*
Mysateles_garridoi	*1970*	*Varona*
Mesocapromys_sanfelipensis	*1970*	*Varona & Garrido*
Murina_tenebrosa	*1970*	*Yoshiyuki*
Sturnira_nana	*1971*	*Gardner & O'Neill*
Liomys_spectabilis	*1971*	*Genoways*
Oryzomys_gorgasi	*1971*	*Hershkovitz*
Myotis_morrisi	*1971*	*Hill*
Myodes_rex	*1971*	*Imaizumi*
Lonchorhina_orinocensis	*1971*	*Linares & Ojasti*
Laephotis_botswanae	*1971*	*Setzer*
Laephotis_namibensis	*1971*	*Setzer*
Crocidura_arispa	*1971*	*Spitzenberger*

Myotis_pruinosus	*1971*	*Yoshiyuki*
Planigale_gilesi	*1972*	*Aitken*
Lophuromys_melanonyx	*1972*	*F. Petter*
Stenocephalemys_griseicauda	*1972*	*F. Petter*
Pteropus_fundatus	*1972*	*Felten & Kock*
Mimon_koepckeae	*1972*	*Gardner & Patton*
Philander_mcilhennyi	*1972*	*Gardner & Patton*
Platyrrhinus_aurarius	*1972*	*Handley & Ferris*
Arielulus_societatis	*1972*	*Hill*
Neamblysomus_julianae	*1972*	*Meester*
Dasyprocta_guamara	*1972*	*Ojasti*
Marmosa_andersoni	*1972*	*Pine*
Platyrrhinus_brachycephalus	*1972*	*Rouk & Carter*
Dipodillus_maghrebi	*1972*	*Schlitter & Setzer*
Gerbillus_aquilus	*1972*	*Schlitter & Setzer*
Latidens_salimalii	*1972*	*Thonglongya*
Sorex_camtschatica	*1972*	*Yudin*
Rhinolophus_hilli	*1973*	*Aellen*
Ochotona_himalayana	*1973*	*Feng*
Myotis_martiniquensis	*1973*	*LaVal*
Rhogeessa_mira	*1973*	*LaVal*
Oligoryzomys_fornesi	*1973*	*Massoia*
Glauconycteris_gleni	*1973*	*Peterson & Smith*
Abrothrix_markhami	*1973*	*Pine*
Scotophilus_nucella	*1973*	*Robbins*
Gerbillurus_setzeri	*1973*	*Schlitter*
Calomyscus_grandis	*1973*	*Schlitter & Setzer*
Rhinolophus_marshalli	*1973*	*Thonglongya*
Craseonycteris_thonglongyai	*1974*	*Hill*
Suncus_mertensi	*1974*	*Kock*
Gerbillus_syrticus	*1974*	*Misonne*

Neusticomys_peruviensis	*1974*	*Musser & Gardner*
Taterillus_arenarius	*1974*	*Robbins*
Mormoops_magna	*1974*	*Silva-Taboada*
Pteronotus_pristinus	*1974*	*Silva-Taboada*
Hipposideros_lekaguli	*1974*	*Thonglongya & Hill*
Ningaui_ridei	*1975*	*Archer*
Ningaui_timealeyi	*1975*	*Archer*
Geomys_knoxjonesi	*1975*	*Baker & Genoways*
Dobsonia_beauforti	*1975*	*Bergmans*
Peromyscus_mayensis	*1975*	*Carleton & Huckaby*
Lophuromys_medicaudatus	*1975*	*Dieterlen*
Eptesicus_guadeloupensis	*1975*	*Genoways & Baker*
Chaerephon_gallagheri	*1975*	*Harrison*
Gerbillus_hoogstraali	*1975*	*Lay*
Gerbillus_occiduus	*1975*	*Lay*
Nyctophilus_howensis	*1975*	*McKean*
Millardia_kondana	*1975*	*Mishra & Dhanda*
Monodelphis_kunsi	*1975*	*Pine*
Eulemur_albocollaris	*1975*	*Rumpler*
Hapalemur_alaotrensis	*1975*	*Rumpler*
Hapalemur_occidentalis	*1975*	*Rumpler*
Lepilemur_ankaranensis	*1975*	*Rumpler & Albignac*
Lepilemur_septentrionalis	*1975*	*Rumpler & Albignac*
Lemniscomys_bellieri	*1975*	*Van der Straeten*
Chiroderma_improvisum	*1976*	*Baker & Genoways*
Dipodillus_zakariai	*1976*	*Cockrum, Vaughn, and Vaughn*
Leopoldamys_neilli	*1976*	*J.T. Marshall Jr.*
Niviventer_hinpoon	*1976*	*J.T. Marshall Jr.*
Vespadelus_douglasorum	*1976*	*Kitchener*
Lepus_castroviejoi	*1976*	*Palacios*
Habromys_chinanteco	*1976*	*Robertson & Musser*

Myomimus_setzeri	*1976*	*Rossolimo*
Chaetodipus_dalquesti	*1976*	*Roth*
Leggadina_lakedownensis	*1976*	*Watts*
Peromyscus_winkelmanni	*1977*	*Carleton*
Ctenomys_validus	*1977*	*Contreras, Roig & Suzarte*
Sorex_arizonae	*1977*	*Diersing & Hoffmeister*
Myotis_punicus	*1977*	*Felten, Spitzenberger and Storch*
Nesophontes_superstes	*1977*	*Fischer*
Callithrix_intermedia	*1977*	*Hershkovitz*
Peromyscus_hooperi	*1977*	*Lee & Schmidly*
Aproteles_bulmerae	*1977*	*Menzies*
Andalgalomys_pearsoni	*1977*	*Myers*
Praomys_verschureni	*1977*	*Verheyen & Van der Straeten*
Crocidura_aleksandrisi	*1977*	*Vesmanis*
Myotis_findleyi	*1978*	*Bogan*
Crocidura_jenkinsi	*1978*	*Chakraborty*
Lophostoma_evotis	*1978*	*Davis & Carter*
Megadendromus_nikolausi	*1978*	*Deiterlen & Rupp*
Lophuromys_eisentrauti	*1978*	*Dieterlen*
Neusticomys_oyapocki	*1978*	*Dubost & Petter*
Mus_setzeri	*1978*	*F. Petter*
Lonchorhina_marinkellei	*1978*	*Hernandez-Camacho & Cadena-G.*
Pteralopex_acrodonta	*1978*	*Hill & Beckon*
Megaerops_kusnotoi	*1978*	*Hill & Boeadi*
Mustela_felipei	*1978*	*Izor & de la Torre*
Petrogale_burbidgei	*1978*	*Kitchener & Sanson*
Rousettus_obliviosus	*1978*	*Kock*
Myosorex_longicaudatus	*1978*	*Meester & Dippenaar*
Microtus_mujanensis	*1978*	*Orlov & Kovalskaya*
Proechimys_cuvieri	*1978*	*Petter*
Crocidura_susiana	*1978*	*Redding & Lay*

Lonchophylla_bokermanni	*1978*	*Sazima, Vizotto & Taddei*
Acomys_cilicicus	*1978*	*Spitzenberger*
Praomys_derooi	*1978*	*Van der Straeten & Verheyen*
Andalgalomys_olrogi	*1978*	*Williams & Mares*
Allactaga_firouzi	*1978*	*Womochel*
Sminthopsis_butleri	*1979*	*Archer*
Sminthopsis_douglasi	*1979*	*Archer*
Myotis_aelleni	*1979*	*Baud*
Abrawayaomys_ruschii	*1979*	*Cunha & Cruz*
Crocidura_stenocephala	*1979*	*Dieterlen & Heim de Balsac*
Rhinolophus_montanus	*1979*	*Goodwin*
Marmosa_xerophila	*1979*	*Handley & Gordon*
Marmosops_cracens	*1979*	*Handley & Gordon*
Hypsugo_arabicus	*1979*	*Harrison*
Sundasciurus_rabori	*1979*	*Heaney*
Tamias_rufus	*1979*	*Hoffmeister & Ellis*
Nesoryzomys_fernandinae	*1979*	*Hutterer & Hirsch*
Bibimys_torresi	*1979*	*Massoia*
Taphozous_kapalgensis	*1979*	*McKean & Friend*
Rattus_omichlodes	*1979*	*Misonne*
Chiropodomys_karlkoopmani	*1979*	*Musser*
Mesocapromys_angelcabrerai	*1979*	*Varona*
Calomyscus_urartensis	*1979*	*Vorontsov & Kartavseva*
Ptenochirus_minor	*1979*	*Yoshiyuki*
Myonycteris_relicta	*1980*	*Bergmans*
Rousettus_spinalatus	*1980*	*Bergmans & Hill*
Sturnira_luisi	*1980*	*Davis*
Crocidura_lucina	*1980*	*Dippenaar*
Crocidura_thalia	*1980*	*Dippenaar*
Crocidura_usambarae	*1980*	*Dippenaar*
Plecotus_kolombatovici	*1980*	*Dulic*

Pseudomys_pilligaensis	*1980*	*Fox & Briscoe*
Lophostoma_schulzi	*1980*	*Genoways & Williams*
Lonchophylla_handleyi	*1980*	*Hill*
Rhinolophus_imaizumii	*1980*	*Hill and Yoshiyuki*
Crocidura_yankariensis	*1980*	*Hutterer & Jenkins*
Pseudomys_chapmani	*1980*	*Kitchener*
Taphozous_hilli	*1980*	*Kitchener*
Microtus_evoronensis	*1980*	*Kovalskaya & Sokolov*
Potorous_longipes	*1980*	*Seebeck & Johnston*
Sicista_kluchorica	*1980*	*Sokolov, Kovalskaya & Baskevich*
Lemniscomys_roseveari	*1980*	*Van der Straeten*
Antechinus_leo	*1980*	*Van Dyck*
Mus_baoulei	*1980*	*Vermeiren & Verheyen*
Crocidura_tarfayensis	*1980*	*Vesmanis & Vesmanis*
Cabassous_chacoensis	*1980*	*Wetzel*
Molossops_neglectus	*1980*	*Williams & Genoways*
Cavia_magna	*1980*	*Ximinez*
Mops_petersoni	*1981*	*El-Rayah*
Nesokia_bunnii	*1981*	*Khajuria*
Moschus_fuscus	*1981*	*Li*
Oecomys_cleberi	*1981*	*Locks*
Anonymomys_mindorensis	*1981*	*Musser*
Margaretamys_elegans	*1981*	*Musser*
Margaretamys_parvus	*1981*	*Musser*
Papagomys_theodorverhoeveni	*1981*	*Musser*
Paulamys_naso	*1981*	*Musser*
Rhynchomys_isarogensis	*1981*	*Musser & Freeman*
Crateromys_paulus	*1981*	*Musser & Gordon*
Oligoryzomys_chacoensis	*1981*	*Myers & Carleton*
Marmosops_bishopi	*1981*	*Pine*
Marmosops_handleyi	*1981*	*Pine*

Marmosops_pinheiroi	*1981*	*Pine*
Biswamoyopterus_biswasi	*1981*	*Saha*
Hipposideros_maggietaylorae	*1981*	*Smith & Hill*
Ctenomys_flamarioni	*1981*	*Travi*
Clyomys_bishopi	*1981*	• *vila-Pires & Wutke*
Petaurus_abidi	*1981*	*Ziegler*
Ctenomys_argentinus	*1982*	*Conterras & Berry*
Ctenomys_bonettoi	*1982*	*Contreras & Berry*
Muntiacus_atherodes	*1982*	*Groves & Grubb*
Moschus_cupreus	*1982*	*Grubb*
Podogymnura_aureospinula	*1982*	*Heaney & Morgan*
Crocidura_manengubae	*1982*	*Hutterer*
Volemys_musseri	*1982*	*Lawrence*
Necromys_temchuki	*1982*	*Massoia*
Petrogale_persephone	*1982*	*Maynes*
Sminthopsis_youngsoni	*1982*	*McKenzie & Archer*
Archboldomys_luzonensis	*1982*	*Musser*
Crunomys_celebensis	*1982*	*Musser*
Tateomys_macrocercus	*1982*	*Musser*
Hydromys_hussoni	*1982*	*Musser & Piik*
Lonchorhina_fernandezi	*1982*	*Ochoa & Ibanez*
Glauconycteris_kenyacola	*1982*	*Peterson*
Rattus_novaeguineae	*1982*	*Taylor & Calaby*
Rattus_vandeuseni	*1982*	*Taylor & Calaby*
Moschus_anhuiensis	*1982*	*Wang, Hu & Yan*
Syconycteris_hobbit	*1982*	*Ziegler*
Aotus_nancymaae	*1983*	*Hershkovitz*
Hesperoptenus_gaskelli	*1983*	*Hill*
Crocidura_grandiceps	*1983*	*Hutterer*
Crocidura_longipes	*1983*	*Hutterer & Happold*
Ningaui_yvonnae	*1983*	*Kitchener, Stoddart & Henry*

Ctenomys_pearsoni	*1983*	*Lessa & Langguth*
Palawanomys_furvus	*1983*	*Musser & Newcomb*
Mus_macedonicus	*1983*	*Petrov & Ruzic*
Aotus_hershkovitzi	*1983*	*Ramirez-Cerquera*
Nyctimene_masalai	*1983*	*Smith & Hood*
Lonchophylla_dekeyseri	*1983*	*Taddei, Vizotto & Sazima*
Stenocephalemys_ruppi	*1983*	*Van der Straeten & Dieterlen*
Capromys_gundlachianus	*1983*	*Varona*
Megaerops_niphanae	*1983*	*Yenbutra & Felten*
Murina_silvatica	*1983*	*Yoshiyuki*
Rhogeessa_genowaysi	*1984*	*Baker*
Ctenomys_yolandae	*1984*	*Contreras & Berry*
Ctenomys_dorbignyi	*1984*	*Contreras & Contreras*
Crossarchus_platycephalus	*1984*	*Goldman*
Anoura_latidens	*1984*	*Handley*
Nyctimene_rabori	*1984*	*Heaney & Peterson*
Arielulus_cuprosus	*1984*	*Hill & Francis*
Kerivoula_intermedia	*1984*	*Hill & Francis*
Murina_rozendaali	*1984*	*Hill & Francis*
Hipposideros_halophyllus	*1984*	*Hill & Yenbutra*
Grammomys_caniceps	*1984*	*Hutterer & Dieterlen*
Grammomys_minnae	*1984*	*Hutterer & Dieterlen*
Sylvisorex_howelli	*1984*	*Jenkins*
Sminthopsis_aitkeni	*1984*	*Kitchener, Stoddart & Henry*
Sminthopsis_dolichura	*1984*	*Kitchener, Stoddart & Henry*
Sminthopsis_gilberti	*1984*	*Kitchener, Stoddart & Henry*
Sminthopsis_griseoventer	*1984*	*Kitchener, Stoddart & Henry*
Pipistrellus_westralis	*1984*	*Koopman*
Didelphis_imperfecta	*1984*	*Mondolfi & P_rez-Hernšndez*
Abrothrix_hershkovitzi	*1984*	*Patterson, Gallardo & Freas*
Aconaemys_sagei	*1984*	*Pearson*

Syconycteris_carolinae	*1984*	*Rozendaal*
Salpingotus_pallidus	*1984*	*Vorontsov & Shenbrot*
Uromys_hadrourus	*1984*	*Winter*
Myotis_yesoensis	*1984*	*Yoshiyuki*
Saimiri_vanzolinii	*1985*	*Ayres*
Dobsonia_emersa	*1985*	*Bergmans & Sarbini*
Hipposideros_lamottei	*1985*	*Brosset*
Callithrix_kuhlii	*1985*	*Coimbra-Filho*
Chiropotes_utahickae	*1985*	*Hershkovitz*
Hipposideros_corynophyllus	*1985*	*Hill*
Sylvisorex_vulcanorum	*1985*	*Hutterer & Verheyan*
Pseudomys_johnsoni	*1985*	*Kitchener*
Rattus_tawitawiensis	*1985*	*Musser & Heaney*
Rattus_osgoodi	*1985*	*Musser & Newcomb*
Crateromys_australis	*1985*	*Musser, Heaney & Rabor*
Ctenomys_sociabilis	*1985*	*Pearson & Christie*
Chaetocauda_sichuanensis	*1985*	*Wang*
Lamottemys_okuensis	*1986*	*F. Petter*
Crocidura_tansaniana	*1986*	*Hutterer*
Crocidura_telfordi	*1986*	*Hutterer*
Paracrocidura_graueri	*1986*	*Hutterer*
Pseudomys_laborifex	*1986*	*Kitchener & Humphreys*
Falsistrellus_mackenziei	*1986*	*Kitchener, Caputi & Jones*
Pipistrellus_adamsi	*1986*	*Kitchener, Caputi & Jones*
Pipistrellus_wattsi	*1986*	*Kitchener, Caputi & Jones*
Ochotona_iliensis	*1986*	*Li & Ma*
Cercocebus_sanjei	*1986*	*Mittermeier*
Sicista_kazbegica	*1986*	*Sokolov, Baskevich & Kovalskaya*
Sminthopsis_archeri	*1986*	*Van Dyck*
Mysateles_meridionalis	*1986*	*Varona*
Galidictis_grandidieri	*1986*	*Wozencraft*

Phalanger_matanim	*1987*	*Flannery*
Artibeus_amplus	*1987*	*Handley*
Artibeus_gnomus	*1987*	*Handley*
Pithecia_aequatorialis	*1987*	*Hershkovitz*
Oxymycterus_hiska	*1987*	*Hinojosa, Anderson & Patton*
Oxymycterus_hucucha	*1987*	*Hinojosa, Anderson & Patton*
Crocidura_ansellorum	*1987*	*Hutterer & Dippenaar*
Crocidura_canariensis	*1987*	*Hutterer, Lopez-Jurado and Vogel*
Pseudomys_calabyi	*1987*	*Kitchener & Humphreys*
Vespadelus_baverstocki	*1987*	*Kitchener, Jones & Caputi*
Vespadelus_finlaysoni	*1987*	*Kitchener, Jones & Caputi*
Vespadelus_troughtoni	*1987*	*Kitchener, Jones & Caputi*
Hapalemur_aureus	*1987*	*Meier, Albignac, Peyri_ras, Rumpler & Wright*
Stylodipus_sungorus	*1987*	*Sokolov & Shenbrot*
Praomys_misonnei	*1987*	*Van der Straeten & Dieterlen*
Dasyurus_spartacus	*1987*	*Van Dyck*
Hapalemur_meridionalis	*1987*	*Warter, Randrianasolo, Dutrillaux & Rumpler*
Hadromys_yunnanensis	*1987*	*Yang & Wang*
Ctenomys_roigi	*1988*	*Contreras*
Pogonomys_championi	*1988*	*Flannery*
Taterillus_petteri	*1988*	*Gautun, Tranier & Sicard*
Cercopithecus_solatus	*1988*	*Harrison*
Callicebus_dubius	*1988*	*Hershkovitz*
Crocidura_arabica	*1988*	*Hutterer & Harrison*
Crocidura_dhofarensis	*1988*	*Hutterer & Harrison*
Malpaisomys_insularis	*1988*	*Hutterer, Lopez-Martinez, and Michaux*
Pseudantechinus_ningbing	*1988*	*Kitchener*
Pseudantechinus_woolleyae	*1988*	*Kitchener & Caputi*
Desmodus_draculae	*1988*	*Morgan, Linares & Ray*
Cricetulus_sokolovi	*1988*	*Orlov & Malygin*

Propithecus_tattersalli	*1988*	*Simons*
Sicista_armenica	*1988*	*Sokolov & Baskevich*
Ochotona_gaoligongensis	*1988*	*Wang, Gong & Duan*
Microhydromys_musseri	*1989*	*Flannery*
Mallomys_gunung	*1989*	*Flannery, Aplin & Groves*
Mallomys_istapantap	*1989*	*Flannery, Aplin & Groves*
Rhipidomys_wetzeli	*1989*	*Gardner*
Lutra_nippon	*1989*	*Imaizumi and Yoshiyuki*
Zyzomys_maini	*1989*	*Kitchener*
Zyzomys_palatilis	*1989*	*Kitchener*
Rhinolophus_hillorum	*1989*	*Koopman*
Akodon_kofordi	*1989*	*Myers & Patton*
Akodon_siberiae	*1989*	*Myers & Patton*
Rhizoplagiodontia_lemkei	*1989*	*Woods*
Orthogeomys_thaeleri	*1990*	*Alberico*
Echymipera_davidi	*1990*	*Flannery*
Dendrolagus_scottae	*1990*	*Flannery & Seri*
Dendrolagus_stellarum	*1990*	*Flannery & Seri*
Melomys_spechti	*1990*	*Flannery and Wickler*
Solomys_spriggsarum	*1990*	*Flannery and Wickler*
Marmosops_neblina	*1990*	*Gardner*
Abrocoma_boliviensis	*1990*	*Glanz & Anderson*
Akodon_lindberghi	*1990*	*Hershkovitz*
Akodon_sanctipaulensis	*1990*	*Hershkovitz*
Callicebus_barbarabrownae	*1990*	*Hershkovitz*
Thalpomys_cerradensis	*1990*	*Hershkovitz*
Crocidura_bottegoides	*1990*	*Hutterer & Yalden*
Crocidura_harenna	*1990*	*Hutterer & Yalden*
Leontopithecus_caissara	*1990*	*Lorini & Persson*
Muntiacus_gongshanensis	*1990*	*Ma*
Echymipera_echinista	*1990*	*Menzies*

Akodon_juninensis	*1990*	*Myers, Patton & Smith*
Praomys_mutoni	*1990*	*Van der Straeten & Dudu*
Mogera_uchidai	*1991*	*Abe, Shiraishi & Arai*
Platyrrhinus_chocoensis	*1991*	*Alberico & Velasco*
Epomophorus_minimus	*1991*	*Claessen & Vree*
Lemniscomys_hoogstraali	*1991*	*Dieterlen*
Pteralopex_pulchra	*1991*	*Flannery*
Rattus_sanila	*1991*	*Flannery and White*
Neusticomys_mussoi	*1991*	*G. Ochoa & Soriano*
Phaner_electromontis	*1991*	*Groves & Tattersall*
Phaner_pallescens	*1991*	*Groves & Tattersall*
Phaner_parienti	*1991*	*Groves & Tattersall*
Crocidura_desperata	*1991*	*Hutterer, Jenkins & Verheyen*
Arborimus_pomo	*1991*	*Johnson & George*
Cynopterus_nusatenggara	*1991*	*Kitchener & Maharadatunkamsi*
Rattus_timorensis	*1991*	*Kitchener, Aplin & Boeadi*
Nyctophilus_heran	*1991*	*Kitchener, How & Maharadatunkamsi*
Rattus_hainaldi	*1991*	*Kitchener, How & Maharadatunkamsi*
Bunomys_prolatus	*1991*	*Musser*
Maxomys_wattsi	*1991*	*Musser*
Rattus_koopmani	*1991*	*Musser & Holden*
Scolomys_ucayalensis	*1991*	*Pacheco*
Calomyscus_tsolovi	*1991*	*Peshev*
Mesoplodon_peruvianus	*1991*	*Reyes, Mead & Van Waerebeek*
Chrotomys_gonzalesi	*1991*	*Rickart & Heaney*
Plecotus_taivanus	*1991*	*Yoshiyuki*
Sylvilagus_obscurus	*1992*	*Chapman, Cramer, Dippenaar & Robinson*
Otomys_occidentalis	*1992*	*Dieterlen & Van der Straeten*
Petrogale_coenensis	*1992*	*Eldridge & Close*
Petrogale_mareeba	*1992*	*Eldridge & Close*
Petrogale_sharmani	*1992*	*Eldridge & Close*

Callithrix_nigriceps	*1992*	*Ferrari & Lopes*
Thylogale_calabyi	*1992*	*Flannery*
Praomys_obscurus	*1992*	*Hutterer & Dieterlen*
Microgale_dryas	*1992*	*Jenkins*
Otomops_johnstonei	*1992*	*Kitchener, How & Maryanto*
Tarsomys_echinatus	*1992*	*Musser & Heaney*
Hyladelphys_kalinowskii	*1992*	*P. Hershkovitz*
Pearsonomys_annectens	*1992*	*Patterson*
Trinomys_moojeni	*1992*	*Pesséa, Oliveira & Reis*
Cebus_kaapori	*1992*	*Queiroz*
Callithrix_mauesi	*1992*	*R.A. Mittermeier, Schwarz & Ayres*
Apodemus_hyrcanicus	*1992*	*Vorontsov, Boyeskorov & Mezhzherin*
Cryptotis_hondurensis	*1992*	*Woodman & Timm*
Callithrix_marcai	*1993*	*Alperin*
Ctenomys_pilarensis	*1993*	*Contreras*
Pseudoryx_nghetinhensis	*1993*	*Dung, Giao, Chinh, Touc, Arctander & MacKinnon*
Pithecheirops_otion	*1993*	*Emmons*
Dendrolagus_pulcherrimus	*1993*	*Flannery*
Melonycteris_fardoulisi	*1993*	*Flannery*
Hipposideros_edwardshilli	*1993*	*Flannery & Colgan*
Thomasomys_macrotis	*1993*	*Gardner & Romo*
Microakodontomys_transitorius	*1993*	*Hershkovitz*
Microgale_soricoides	*1993*	*Jenkins*
Chaerephon_tomensis	*1993*	*Juste & Ibš_ez*
Nyctimene_keasti	*1993*	*Kitchener*
Hipposideros_madurae	*1993*	*Kitchener & Maryanto*
Hipposideros_sorenseni	*1993*	*Kitchener & Maryanto*
Melomys_bannisteri	*1993*	*Kitchener & Maryanto*
Thomasomys_apeco	*1993*	*L. Leo & Gardner*
Solenodon_arredondoi	*1993*	*Morgan and Ottenwalder*
Trinomys_eliasi	*1993*	*Pesséa & Dos Reis*

Thyroptera_lavali	*1993*	*Pine*
Cryptotis_colombiana	*1993*	*Woodman & Timm*
Eliurus_ellermani	*1994*	*Carleton*
Eliurus_petteri	*1994*	*Carleton*
Muntiacus_vuquangensis	*1994*	*Do Tuoc, Vu Van Dung, Dawson, Arctander & Mackinnon*
Lasiurus_ebenus	*1994*	*Fazzolari-Corr• a*
Emballonura_serii	*1994*	*Flannery*
Melomys_matambuai	*1994*	*Flannery, Colgan & Trimble*
Uromys_boeadii	*1994*	*Groves & Flannery*
Uromys_emmae	*1994*	*Groves & Flannery*
Oxymycterus_amazonicus	*1994*	*Hershkovitz*
Artibeus_incomitatus	*1994*	*Kalko & Handley*
Ctenomys_coyhaiquensis	*1994*	*Kelt & Gallardo*
Hipposideros_hypophyllus	*1994*	*Kock & Bhat*
Amphinectomys_savamis	*1994*	*Malygin*
Anoura_luismanueli	*1994*	*Molinari*
Octodon_pacificus	*1994*	*R. Hutterer*
Sminthopsis_bindi	*1994*	*Van Dyck, Woinarski & Press*
Trachypithecus_ebenus	*1995*	*Brandon-Jones*
Salinomys_delicatus	*1995*	*Braun & Mares*
Ctenomys_osvaldoreigi	*1995*	*Contreras*
Phalanger_alexandrae	*1995*	*Flannery & Boeadi*
Phalanger_matabiru	*1995*	*Flannery & Boeadi*
Dendrolagus_mbaiso	*1995*	*Flannery, Boeadi & Szalay*
Macaca_siberu	*1995*	*Fuentes & Olson*
Crocidura_hilliana	*1995*	*Jenkins & Smith*
Melomys_cooperae	*1995*	*Kitchener*
Punomys_kofordi	*1995*	*Pacheco & Patton*
Miniopterus_gleni	*1995*	*Peterson, Eger & Mitchell*
Sylvisorex_konganensis	*1995*	*Ray & Hutterer*
Trinomys_yonenagae	*1995*	*Rocha*

Apomys_gracilirostris	*1995*	*Ruedas*
Crocidura_hutanis	*1995*	*Ruedi & Vogel*
Crocidura_musseri	*1995*	*Ruedi & Vogel*
Dasypus_yepesi	*1995*	*Vizca• no*
Caenolestes_condorensis	*1996*	*Albuja & Patterson*
Monticolomys_koopmani	*1996*	*Carleton & Goodman*
Mazama_bororo	*1996*	*Duarte*
Ochotona_hoffmanni	*1996*	*Formozov, Yakhontov & Dmitriev*
Rhogeessa_hussoni	*1996*	*Genoways & Baker*
Crateromys_heaneyi	*1996*	*Gonzales & Kennedy*
Histiotus_humboldti	*1996*	*Handley*
Lasiurus_atratus	*1996*	*Handley*
Dryomys_niethammeri	*1996*	*Holden*
Sylvisorex_pluvialis	*1996*	*Hutterer & Schlitter*
Crocidura_ramona	*1996*	*Ivanitskaya, Shenbrot & Nevo*
Microgale_gymnorhyncha	*1996*	*Jenkins, Goodman & Raxworthy*
Melomys_howi	*1996*	*Kitchener*
Arielulus_aureocollaris	*1996*	*Kock & Storch*
Andalgalomys_roigi	*1996*	*Mares & Braun*
Paramelomys_gressitti	*1996*	*Menzies*
Pseudopotto_martini	*1996*	*Schwartz*
Micronycteris_sanborni	*1996*	*Simmons*
Lophuromys_huttereri	*1996*	*Verheyen, Colyn & Hulselmans*
Isothrix_sinnamariensis	*1996*	*Vi_, Volobouev, Patton & Granjon*
Rhinolophus_convexus	*1997*	*Csorba*
Sorex_yukonicus	*1997*	*Dokuchaev*
Muntiacus_truongsonensis	*1997*	*Giao, Tuoc, Dung, Wikramanayake, Amato, Arctander & Mackinnon*
Sus_oliveri	*1997*	*Groves*
Lonchorhina_inusitata	*1997*	*Handley & Ochoa*
Galago_rondoensis	*1997*	*Honess in Kingdon*
Chibchanomys_orcesi	*1997*	*Jenkins & Barnett*

Microgale_fotsifotsy	*1997*	*Jenkins, Raxworthy & Nussbaum*
Miopithecus_ogouensis	*1997*	*Kingdon*
Bettongia_pusilla	*1997*	*McNamara*
Kerodon_acrobata	*1997*	*Moojen, Locks & Langguth*
Pygathrix_cinerea	*1997*	*Nadler*
Myotis_csorbai	*1997*	*Topšl*
Muntiacus_puhoatensis	*1997*	*Trai in Binh Chau*
Lophuromys_dieterleni	*1997*	*Verheyen, Huselmans, Colyn & Hutterer*
Lophuromys_roseveari	*1997*	*Verheyen, Huselmans, Colyn & Hutterer*
Cryptotis_peruviensis	*1997*	*Vivar, Pacheco & Valqui*
Microcebus_ravelobensis	*1997*	*Zimmermann, Cepok, Rakotoarison, Zietemann & Radespiel*
Oligoryzomys_stramineus	*1998*	*Bonvicino & Weksler*
Eliurus_grandidieri	*1998*	*Carleton & Goodman*
Voalavo_gymnocaudus	*1998*	*Carleton & Goodman*
Proechimys_echinothrix	*1998*	*da Silva*
Proechimys_gardneri	*1998*	*da Silva*
Proechimys_kulinae	*1998*	*da Silva*
Proechimys_pattoni	*1998*	*da Silva*
Antechinus_agilis	*1998*	*Dickman, Parnaby, Crowther & King*
Zaglossus_attenboroughi	*1998*	*Flannery & Groves*
Myotis_gomantongensis	*1998*	*Francis & Hill*
Akodon_reigi	*1998*	*Gonzšlez, Langguth & Oliveira*
Microgale_monticola	*1998*	*Goodman & Jenkins*
Akodon_mystax	*1998*	*Hershkovitz*
Brucepattersonius_albinasus	*1998*	*Hershkovitz*
Brucepattersonius_griserufescens	*1998*	*Hershkovitz*
Brucepattersonius_igniventris	*1998*	*Hershkovitz*
Brucepattersonius_soricinus	*1998*	*Hershkovitz*
Oxymycterus_caparoae	*1998*	*Hershkovitz*
Sorex_arunchi	*1998*	*Lapini & Testone*
Mastomys_awashensis	*1998*	*Lavrenchenko, Likhnova & Baskevich*

Callithrix_humilis	*1998*	*M. van Roosmalen, T. van Roosmalen, R.A. Mittermeier & de Fonseca*
Murina_ryukyuana	*1998*	*Maeda & Matsumura*
Myotis_yanbarensis	*1998*	*Maeda & Matsumura*
Oligoryzomys_brendae	*1998*	*Massoia*
Oryzomys_emmonsae	*1998*	*Musser, Carleton, Brothers & Gardner*
Oryzomys_tatei	*1998*	*Musser, Carleton, Brothers & Gardner*
Batomys_russatus	*1998*	*Musser, Heaney & Tabaranza Jr.*
Archboldomys_musseri	*1998*	*Rickart, Heaney, Tabaranza Jr. & Balete*
Crunomys_suncoides	*1998*	*Rickart, Heaney, Tabaranza Jr. & Balete*
Callithrix_saterei	*1998*	*Silva Jr. & Noronha*
Micronycteris_brosseti	*1998*	*Simmons & Voss*
Loxodontomys_pikumche	*1998*	*Spotorno, Cofre, Vilina, Marquet & Walker*
Muntiacus_putaoensis	*1999*	*Amato, Egan & Rabinowitz*
Cryptomys_anselli	*1999*	*Burda, Zima, Scharff, Macholšn & Kawalika*
Cryptomys_kafuensis	*1999*	*Burda, Zima, Scharff, Macholšn & Kawalika*
Noronhomys_vespuccii	*1999*	*Carleton & Olson*
Cavia_intermedia	*1999*	*Cherem, Olimpio & Ximenez*
Ctenomys_scagliai	*1999*	*Contreras*
Sminthopsis_boullangerensis	*1999*	*Crowther, Dickman and Lynam*
Arielulus_torquatus	*1999*	*Csorba & Lee*
Akodon_aliquantulus	*1999*	*D• az, Barquez, Braun & Mares*
Cuscomys_ashaninka	*1999*	*Emmons*
Juscelinomys_guaporensis	*1999*	*Emmons*
Juscelinomys_huanchacae	*1999*	*Emmons*
Hipposideros_orbiculus	*1999*	*Francis, Kock & Habersetzer*
Hipposideros_rotalis	*1999*	*Francis, Kock & Habersetzer*
Microgale_nasoloi	*1999*	*Jenkins & Goodman*
Microtus_dogramacii	*1999*	*KefioÑ»lu & Kry• • tufek*
Callicebus_coimbrai	*1999*	*Kobayashi & Langguth*

Praomys_degraaffi	*1999*	*Van der Straeten & Kerbis Peterhans*
Oryzomys_seuanezi	*1999*	*Weksler, Geise, and Cerqueira*
Tapecomys_primus	*2000*	*Anderson & Yates*
Nesolagus_timminsi	*2000*	*Averianov, Abramov & Tikhonov*
Akodon_oenos	*2000*	*Braun, Mares & Ojeda*
Amblysomus_robustus	*2000*	*Bronner*
Notiosorex_villai	*2000*	*Carraway & Timm*
Akodon_paranaensis	*2000*	*Christoff, Fagundes, Sbalqueiro, Mattevi & Yonenaga-Yassuda*
Pseudantechinus_roryi	*2000*	*Cooper, Aplin & Adams*
Ochotona_nigritia	*2000*	*Gong, Wang, Li & Li*
Cheirogaleus_minusculus	*2000*	*Groves*
Cheirogaleus_ravus	*2000*	*Groves*
Rhinolophus_maendeleo	*2000*	*Kock, Csorba & Howell*
Plecotus_balensis	*2000*	*Kruskop & Lavrenchenko*
Callithrix_acariensis	*2000*	*M. van Roosmalen, T. van Roosmalen, R.A. Mittermeier & Rylands*
Callithrix_manicorensis	*2000*	*M. van Roosmalen, T. van Roosmalen, R.A. Mittermeier & Rylands*
Brucepattersonius_guarani	*2000*	*Mares & Braun*
Brucepattersonius_misionensis	*2000*	*Mares & Braun*
Brucepattersonius_paradisus	*2000*	*Mares & Braun*
Pipanacoctomys_aureus	*2000*	*Mares, Braun, Barquez & Diaz*
Salinoctomys_loschalchalerosorum	*2000*	*Mares, Braun, Barquez & Diaz*
Mesomys_occultus	*2000*	*Patton, da Silva & Malcolm*
Neacomys_minutus	*2000*	*Patton, da Silva & Malcolm*
Neacomys_musseri	*2000*	*Patton, da Silva & Malcolm*
Rhipidomys_gardneri	*2000*	*Patton, da Silva & Malcolm*
Microcebus_berthae	*2000*	*Rasoloarison, Goodman & Ganzhorn*
Microcebus_sambiranensis	*2000*	*Rasoloarison, Goodman & Ganzhorn*
Microcebus_tavaratra	*2000*	*Rasoloarison, Goodman & Ganzhorn*
Myosorex_kihaulei	*2000*	*Stanley & Hutterer*

Avahi_unicolor	*2000*	*Thalmann & Geissmann*
Antechinus_subtropicus	*2000*	*Van Dyck & Crowther*
Sturnira_mistratensis	*2000*	*Vega & Cadena*
Lophuromys_angolensis	*2000*	*W. Verheyen, Dierckx, and Hulselmans*
Bradypus_pygmaeus	*2001*	*Anderson & Handley*
Paranyctimene_tenax	*2001*	*Bergmans*
Eliurus_antsingy	*2001*	*Carleton, Goodman & Rakotondravony*
Carollia_colombiana	*2001*	*Cuartas, Mu_oz, and Gonzšlez*
Sylvilagus_varynaensis	*2001*	*Durant & Guevara*
Glauconycteris_curryae	*2001*	*Eger & Schlitter*
Ctenomys_lami	*2001*	*Freitas*
Plecotus_alpinus	*2001*	*Kiefer and Veith*
Myotis_annamiticus	*2001*	*Kruskop & Tsytsulina*
Oryzomys_curasoae	*2001*	*McFarlane & Debrot*
Saccopteryx_antioquensis	*2001*	*Mu_oz & Cuartas*
Spalax_carmeli	*2001*	*Nevo, Ivanitskaya, and Beiles*
Spalax_galili	*2001*	*Nevo, Ivanitskaya, and Beiles*
Spalax_golani	*2001*	*Nevo, Ivanitskaya, and Beiles*
Spalax_judaei	*2001*	*Nevo, Ivanitskaya, and Beiles*
Aepeomys_reigi	*2001*	*Ochoa G., Aguilera, Pacheco & Soriano*
Myotis_alcathoe	*2001*	*von Helversen & Heller*
Sphiggurus_ichillus	*2001*	*Voss & da Silva*
Sphiggurus_roosmalenorum	*2001*	*Voss & da Silva*
Neacomys_dubosti	*2001*	*Voss, Lunde & Simmons*
Neacomys_paracou	*2001*	*Voss, Lunde & Simmons*
Heteromys_teleus	*2002*	*Anderson & Jarr• n*
Carollia_sowelli	*2002*	*Baker, Solari & Hoffmann*
Abrocoma_uspallata	*2002*	*Braun & Mares*
Habromys_delicatulus	*2002*	*Carleton*
Rhinolophus_sakejiensis	*2002*	*Cotterill*
Mesoplodon_perrini	*2002*	*Dalebout, Mead, Baker, Baker & van Helden*

Gracilinanus_ignitus	*2002*	*D• az, Flores & Barquez*
Phyllomys_pattoni	*2002*	*Emmons, Leite, Kock & Costa*
Rhinolophus_ziama	*2002*	*Fahr, Vierhaus, Hutterer & Kock*
Dipodillus_rupicola	*2002*	*Granjon, Aniskin, Volobouev & Sicard*
Oxymycterus_josei	*2002*	*Hoffmann, Lessa & Smith*
Congosorex_verheyeni	*2002*	*Hutterer, Barriere & Colyn*
Hylomys_megalotis	*2002*	*Jenkins & M.F. Robinson*
Microtus_anatolicus	*2002*	*Kry• • tufek & KefioÑ»lu*
Oryzomys_maracajuensis	*2002*	*Langguth & Bonvicino*
Oryzomys_scotti	*2002*	*Langguth & Bonvicino*
Trinomys_mirapitanga	*2002*	*Lara, Patton & Hingst-Zaher*
Trichosurus_cunninghami	*2002*	*Lindenmayer, Dubach & Viggers*
Thomasomys_onkiro	*2002*	*Luna & Pacheco*
Callicebus_bernhardi	*2002*	*M. van Roosmalen, T. van Roosmalen & R.A. Mittermeier*
Callicebus_stephennashi	*2002*	*M. van Roosmalen, T. van Roosmalen & R.A. Mittermeier*
Plecotus_sardus	*2002*	*Mucedda, Kiefer, Pidinchedda & Veith*
Sommeromys_macrorhinos	*2002*	*Musser & Durden*
Juliomys_rimofrons	*2002*	*Oliveira & Bonvicino*
Nyctophilus_nebulosus	*2002*	*Parnaby*
Pteralopex_taki	*2002*	*Parnaby*
Pteropus_banakrisi	*2002*	*Richards and Hall*
Bullimus_gamay	*2002*	*Rickart, Heaney & Tabaranza Jr.*
Micronycteris_matses	*2002*	*Simmons, Voss & Fleck*
Lophuromys_dudui	*2002*	*W. Verheyen, Hulselmans, Dierckx, and E. Verheyen*
Lophuromys_verhageni	*2002*	*W. Verheyen, Hulselmans, Dierckx, and E. Verheyen*
Cryptotis_tamensis	*2002*	*Woodman*
Mus_fragilicauda	*2003*	*Auffray, Orth, Catalan, Gonzalez, Desmarais & Bonhomme*
Notiosorex_cockrumi	*2003*	*Baker, O'Neill & McAliley*

Oryzomys_marinhus	*2003*	*Bonvicino*
Calomys_tocantinsi	*2003*	*Bonvicino, Lima & Almeida*
Damaliscus_superstes	*2003*	*Cotterill*
Taterillus_tranieri	*2003*	*Dobigny, Granjon, Aniskin, Ba & Volobouev*
Genetta_bourloni	*2003*	*Gaubert*
Microtus_qazvinensis	*2003*	*Golenishchev, Malikov, Nazari, Vaziri, Sablina & Polyakov*
Melomys_paveli	*2003*	*Helgen*
Desmomys_yaldeni	*2003*	*Lavrenchenko*
Phyllomys_lundi	*2003*	*Leite*
Phyllomys_mantiqueirensis	*2003*	*Leite*
Rhagomys_longilingua	*2003*	*Luna & Patterson*
Chodsigoa_caovansunga	*2003*	*Lunde, Musser & Son*
Rousettus_linduensis	*2003*	*Maryanto & Yani*
Heteromys_oasicus	*2003*	*R.P. Anderson*
Limnomys_bryophilus	*2003*	*Rickart, Heaney & Tabaranza Jr.*
Hipposideros_scutinares	*2003*	*Robinson, Jenkins, Francis & Fulford*
Praomys_petteri	*2003*	*Van der Straeten, Lecompte & Denys*
Thomasomys_ucucha	*2003*	*Voss*
Dasymys_cabrali	*2003*	*W. Verheyen, Hulselmans, Dierckx, Colyn, Leirs, and E. Verheyen*
Dasymys_rwandae	*2003*	*W. Verheyen, Hulselmans, Dierckx, Colyn, Leirs, and E. Verheyen*
Dasymys_sua	*2003*	*W. Verheyen, Hulselmans, Dierckx, Colyn, Leirs, and E. Verheyen*
Cryptotis_brachyonyx	*2003*	*Woodman*
Lophostoma_aequatorialis	*2004*	*Baker, Fonseca, Parish, Phillips & Hoffmann*
Kerivoula_kachinensis	*2004*	*Bates, Struebig, Rossiter, Kingston, Sia Sein Lein Oo & Khin Mya Mya*
Epomophorus_anselli	*2004*	*Bergmans & van Strien*
Peromyscus_schmidlyi	*2004*	*Bradley*

Reithrodontomys_bakeri	*2004*	*Bradley, Mendez-Harclerode, Hamilton & Ceballos*
Oryzomys_andersoni	*2004*	*Brooks, Baker, Vargas, Tarifa, Aranibar & Rojas*
Lonchophylla_chocoana	*2004*	*Dšvalos*
Lophostoma_yasuni	*2004*	*Fonseca & Pinto*
Tadarida_jobimena	*2004*	*Goodman & Cardiff*
Microgale_jenkinsae	*2004*	*Goodman & Soarimalala*
Microperoryctes_aplini	*2004*	*Helgen & Flannery*
Spilocuscus_wilsoni	*2004*	*Helgen & Flannery*
Pipistrellus_hanaki	*2004*	*Hulva & Benda*
Monodelphis_reigi	*2004*	*Lew & P_rez-Hernšndez*
Carollia_manu	*2004*	*Pacheco, Solari & Velazco*
Monodelphis_ronaldi	*2004*	*Solari*
Galea_monasteriensis	*2004*	*Solmsdorff, Kock, Hohoff & Sachser*
Marmosops_creightoni	*2004*	*Voss, Tarifa & Yensen*
Lonchophylla_orcesi	*2005*	*Albuja & Gardner*
Orcaella_heinsohni	*2005*	*Beasley, Robertson & Arnold*
Murina_harrisoni	*2005*	*Csorba & Bates*
Rungwecebus_kipunji	*2005*	*Ehardt, Butynski, Jones & Davenport*
Hylaeamys_acritus	*2005*	*Emmons & Patton*
Wiedomys_cerradensis	*2005*	*Gon• alves, Almeida & Bonvicino*
Macrotarsomys_petteri	*2005*	*Goodman & Soarimalala*
Scotophilus_tandrefana	*2005*	*Goodman, Jenkins & Ratrimomanarivo*
Voalavo_antsahabensis	*2005*	*Goodman, Rakotondravony, Randriamanantsoa & Rakotomalala-Razanahoera*
Xeronycteris_vieirai	*2005*	*Gregorin & Ditchfield*
Moschiola_kathygre	*2005*	*Groves & Meijaard*
Myotis_dieteri	*2005*	*Happold*
Pseudohydromys_germani	*2005*	*Helgen*
Pteralopex_flanneryi	*2005*	*Helgen*
Laonastes_aenigmamus	*2005*	*Jenkins, Kilpatrick, Robinson & Timmins*

Mirza_zaza	*2005*	*Kappeler & Roos*
Macaca_munzala	*2005*	*Madhusudan & Mishra*
Anoura_fistulata	*2005*	*Muchhala, Mena-Valenzuela & Albuja*
Saxatilomys_paulinae	*2005*	*Musser, Smith, Robinson & Lunde*
Akodon_philipmyersi	*2005*	*Pardi_as, D'Elia, Cirignoli & Suarez*
Neusticomys_ferreirai	*2005*	*Percequillo, Carmignotto & Silva*
Chrotomys_sibuyanensis	*2005*	*Rickart, Heaney, Goodman & Jansa*
Habromys_schmidlyi	*2005*	*Romo-Vszquez, Le‹n-Paniagua & Sšnchez*
Microcebus_lehilahytsara	*2005*	*Roos & Kappeler*
Sturnira_sorianoi	*2005*	*Sšnchez-Hernšndez, Romero-Almaraz & Schnell*
Congosorex_phillipsorum	*2005*	*Stanley, Rogers & Hutterer*
Natalus_lanatus	*2005*	*Tejedor*
Avahi_cleesei	*2005*	*Thalmann & Geissmann*
Rhipidomys_cariri	*2005*	*Tribe*
Platyrrhinus_albericoi	*2005*	*Velazco*
Platyrrhinus_ismaeli	*2005*	*Velazco*
Platyrrhinus_masu	*2005*	*Velazco*
Platyrrhinus_matapalensis	*2005*	*Velazco*
Oligoryzomys_moojeni	*2005*	*Weksler & Bonvicino*
Oligoryzomys_rupestris	*2005*	*Weksler & Bonvicino*
Myoictis_leucura	*2005*	*Woolley*
Echimys_vieirai	*2005*	*Ximenes, Vivo & Percequillo*
Lepilemur_aeeclis	*2006*	*Andriaholinirina, Fausser, Roos, Rabarivola, Ravoarimanana, Zinner, Thalmann, Ganzhorn et al.*
Lepilemur_randrianasoloi	*2006*	*Andriaholinirina, Fausser, Roos, Rabarivola, Ravoarimanana, Zinner, Thalmann, Ganzhorn et al.*
Lepilemur_sahamalazensis	*2006*	*Andriaholinirina, Fausser, Roos, Rabarivola, Ravoarimanana, Zinner, Thalmann, Ganzhorn et al.*

Microcebus_mamiratra	*2006*	*Andriantompohavana, Zaonarivelo, Engberg, Randriamampionona, McGuire, Shore et al.*
Archboldomys_kalinga	*2006*	*Balete, Rickart & Heaney*
Pipistrellus_raceyi	*2006*	*Bates, Ratrimomanarivo, Harrison & Goodman*
Mus_cypriacus	*2006*	*Cucchi, Orth, Auffray, Renaud, Fabre, Catalan, Hadjisterkotis, Bonhomme & Vigne*
Tokudaia_tokunoshimensis	*2006*	*Endo & Tsuchiya*
Emballonura_tiavato	*2006*	*Goodman, Cardiff, Ranivo, Russell & Yoder*
Scotophilus_marovaza	*2006*	*Goodman, Ratrimomanarivo & Randrianandrianina*
Microgale_jobihely	*2006*	*Goodman, Raxworthy, Maminirina & Olson*
Thyroptera_devivoi	*2006*	*Gregorin, Gon• alves, Lim & Engstrom*
Hipposideros_khaokhouayensis	*2006*	*Guill_n-Servent & Francis*
Apomys_camiguinensis	*2006*	*Heaney & Tabaranza Jr.*
Harpiola_isodon	*2006*	*Kuo, Fang, Csorba & Lee*
Philander_deltae	*2006*	*Lew, P_rez-Hernšndez & Ventura*
Philander_mondolfii	*2006*	*Lew, P_rez-Hernšndez & Ventura*
Microcebus_jollyae	*2006*	*Louis Jr., Coles, Andriantompohavana, Sommer, Engberg, Zaonarivelo, Mayor & Brenneman*
Microcebus_mittermeieri	*2006*	*Louis Jr., Coles, Andriantompohavana, Sommer, Engberg, Zaonarivelo, Mayor & Brenneman*
Microcebus_simmonsi	*2006*	*Louis Jr., Coles, Andriantompohavana, Sommer, Engberg, Zaonarivelo, Mayor & Brenneman*
Lepilemur_ahmansonorum	*2006*	*Louis Jr., Engberg, Lei, Geng, Sommer, Randriamampionona, Randriamanana, Zaonarivelo et al.*
Lepilemur_betsileo	*2006*	*Louis Jr., Engberg, Lei, Geng, Sommer, Randriamampionona, Randriamanana, Zaonarivelo et al.*

Lepilemur_fleuretae	*2006*	*Louis Jr., Engberg, Lei, Geng, Sommer, Randriamampionona, Randriamanana, Zaonarivelo et al.*
Lepilemur_grewcockorum	*2006*	*Louis Jr., Engberg, Lei, Geng, Sommer, Randriamampionona, Randriamanana, Zaonarivelo et al.*
Lepilemur_hubbardorum	*2006*	*Louis Jr., Engberg, Lei, Geng, Sommer, Randriamampionona, Randriamanana, Zaonarivelo et al.*
Lepilemur_jamesorum	*2006*	*Louis Jr., Engberg, Lei, Geng, Sommer, Randriamampionona, Randriamanana, Zaonarivelo et al.*
Lepilemur_milanoii	*2006*	*Louis Jr., Engberg, Lei, Geng, Sommer, Randriamampionona, Randriamanana, Zaonarivelo et al.*
Lepilemur_petteri	*2006*	*Louis Jr., Engberg, Lei, Geng, Sommer, Randriamampionona, Randriamanana, Zaonarivelo et al.*
Lepilemur_seali	*2006*	*Louis Jr., Engberg, Lei, Geng, Sommer, Randriamampionona, Randriamanana, Zaonarivelo et al.*
Lepilemur_tymerlachsonorum	*2006*	*Louis Jr., Engberg, Lei, Geng, Sommer, Randriamampionona, Randriamanana, Zaonarivelo et al.*
Lepilemur_wrightae	*2006*	*Louis Jr., Engberg, Lei, Geng, Sommer, Randriamampionona, Randriamanana, Zaonarivelo et al.*
Tarsius_lariang	*2006*	*Merker & Groves*
Tonkinomys_daovantieni	*2006*	*Musser, Lunde & Son*
Microcebus_bongolavensis	*2006*	*Olivieri, Zimmermann, Randrianambinina, Rassoloharijaona, Rakotondravony et al.*
Microcebus_danfossorum	*2006*	*Olivieri, Zimmermann, Randrianambinina, Rassoloharijaona, Rakotondravony et al.*
Isothrix_barbarabrownae	*2006*	*Patterson & Velazco*
Lepilemur_mittermeieri	*2006*	*Rabarivola, Zaramody, Fausser, Andriaholinirina, Roos, Zinner, Marcel & Rumpler*

Callicebus_aureipalatii	*2006*	*Wallace, G‹mez, Felton & Felton*
Avahi_meridionalis	*2006*	*Zaramody, Fausser, Roos, Zinner, Andriaholinirina, Rabarivola, Norscia, Tattersall & Rumpler*
Avahi_peyrierasi	*2006*	*Zaramody, Fausser, Roos, Zinner, Andriaholinirina, Rabarivola, Norscia, Tattersall & Rumpler*
Avahi_ramanantsoavanai	*2006*	*Zaramody, Fausser, Roos, Zinner, Andriaholinirina, Rabarivola, Norscia, Tattersall & Rumpler*
Avahi_betsileo	*2007*	*Andriantompohavana, Lei, Zaonarivelo, Engberg, Nalanirina, McGuire, Shore, Andrianasolo et al.*
Rhynchomys_banahao	*2007*	*Balete, Rickart, Rosell-Ambal, Jansa & Heaney*
Rhynchomys_tapulao	*2007*	*Balete, Rickart, Rosell-Ambal, Jansa & Heaney*
Hipposideros_boeadii	*2007*	*Bates, Rossiter, Suyanto & Kingston*
Kerivoula_titania	*2007*	*Bates, Struebig, Hayes, Furey, Mya Mya, Thong, Tien, Son, Harrison, Francis & Csorba*
Eliurus_danieli	*2007*	*Carleton & Goodman*
Sorex_ixtlanensis	*2007*	*Carraway*
Sorex_mediopua	*2007*	*Carraway*
Lepilemur_otto	*2007*	*Craul, Zimmermann, Rasoloharijaona, Randrianambinina & Radespiel*
Aotus_jorgehernandezi	*2007*	*Defler & Bueno*
Styloctenium_mindorensis	*2007*	*Esselstyn*
Kerivoula_krauensis	*2007*	*Francis, Kingston & Zubaid*
Spermophilus_taurensis	*2007*	*G^{a}nd^{a}z, Jaarola, Tez, Yeniyurt, Polly & Searle*
Myzopoda_schliemanni	*2007*	*Goodman, Rakotondraparany & Kofoky*
Miniopterus_sororculus	*2007*	*Goodman, Ryan, Maminirina, Fahr, Christidis & Appleton*
Phyllotis_anitae	*2007*	*Jayat, D'Elia, Pardi_as & Namen*
Proedromys_liangshanensis	*2007*	*Liu, Sun, Zeng & Zhao*

Pecari_maximus	*2007*	*M. van Roosmalen, Frenz, Hooft, de Iongh & Leirs*
Crocidura_hikmiya	*2007*	*Meegaskumbura, Meegaskumbura, Pethiyagoda, Manamendra-Arachchi & Schneider*
Sorex_rohweri	*2007*	*Rausch, Feagin & Rausch*
Monodelphis_handleyi	*2007*	*Solari*
Cacajao_ayresi	*2008*	*Boubli, da Silva, Amado, Herbk, Pontual & Farias*
Cacajao_hosomi	*2008*	*Boubli, da Silva, Amado, Herbk, Pontual & Farias*
Philander_olrogi	*2008*	*Flores, Barquez & Diaz*
Miniopterus_petersoni	*2008*	*Goodman, Bradman, Maminirina, Ryan, Christidis & Appleton*
Rhynchocyon_udzungwensis	*2008*	*Rathbun & Rovero*
Tarsius_tumpara	*2008*	*Shekelle, Groves, Merker & Supriatna*
Elephantulus_pilicaudus	*2008*	*Smit*
Thylamys_fenestrae	*2009*	*Martin*
Callicebus_caquetensis	*2010*	*Defler, Bueno & GarcÕa*
Callithrix_rondoni	*2010*	*Ferrari, Sena, Schneider & Silva Jr.*
Tarsius_wallacei	*2010*	*Merker, Driller, Dahruddin, Wirdateti, Sinaga, Perwitasari-Farajallah & Shekelle*
Pennatomys_nivalis	*2010*	*Turvey, Weksler, Morris & Nokkert*
Rhinopithecus_strykeri	*2011*	*Geissmann, Ngwe Lwin, Saw Soe Aung, Thet Naing Aung, Zin Myo Aung, Tony Htin Hla, Grindley & Momberg*

Table S2: Percentage of Species Range in each Biogeographic Realm. Only one species has less than 50% of its range in any single realm and only 4.29% of species have between 50% and 75% in a single realm.

Species	*Afrotropic*	*Antarctic*	*Australasia*	*Indo-Malay*	*Marine*	*Nearctic*	*Neotropic*	*Oceania*	*Palearctic*	*Assigned Realm*
Abditomys_latidens	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Abeomelomys_sevia	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Abrawayaomys_ruschii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrocoma_bennettii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrocoma_boliviensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrocoma_budini	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrocoma_cinerea	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrocoma_famatina	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrocoma_shistacea	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrocoma_uspallata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrocoma_vaccarum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrothrix_andinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrothrix_hershkovitzi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrothrix_illuteus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Abrothrix_jelskii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrothrix_lanosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrothrix_longipilis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrothrix_markhami	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrothrix_olivaceus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Abrothrix_sanborni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Acerodon_celebensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Acerodon_humilis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Acerodon_jubatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Acerodon_leucotis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Acerodon_macklotti	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Acinonyx_jubatus	*0.731119*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.268881*	*Afrotropic*
Acomys_airensis	*0.393203*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.606797*	*Palearctic*
Acomys_cahirinus	*0.09388*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.90612*	*Palearctic*
Acomys_cilicicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Acomys_cineraceus	*0.997846*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.002154*	*Afrotropic*
Acomys_dimidiatus	*0.32593*	*0*	*0*	*0.00207*	*0*	*0*	*0*	*0*	*0.672*	*Palearctic*
Acomys_ignitus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Acomys_johannis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Acomys_kempi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Acomys_louisae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Acomys_minous	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Acomys_mullah	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Acomys_nesiotes	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Acomys_percivali	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Acomys_russatus	*0.462642*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.537358*	*Palearctic*
Acomys_seurati	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Acomys_spinosissimus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Acomys_subspinosus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Acomys_wilsoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Aconaemys_fuscus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aconaemys_porteri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aconaemys_sagei	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Acrobates_pygmaeus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Addax_nasomaculatus	*0.021616*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.978384*	*Palearctic*
Aegialomys_galapagoensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Aegialomys_xanthaeolus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aepeomys_lugens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aepeomys_reigi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aepyceros_melampus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Aepyprymnus_rufescens	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Aeretes_melanopterus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Aeromys_tephromelas	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Aeromys_thomasi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Aethalops_aequalis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Aethalops_alecto	*0*	*0*	*0.006758*	*0.993242*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Aethomys_bocagei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Aethomys_chrysophilus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Aethomys_granti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Aethomys_hindei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Aethomys_ineptus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Aethomys_kaiseri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Aethomys_namaquensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Aethomys_nyikae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Aethomys_silindensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Aethomys_stannarius	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Aethomys_thomasi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Ailuropoda_melanoleuca	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ailurops_melanotis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Ailurops_ursinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Ailurus_fulgens	*0*	*0*	*0*	*0.14398*	*0*	*0*	*0*	*0*	*0.85602*	*Palearctic*
Akodon_aerosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_affinis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_albiventer	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_aliquantulus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_azarae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_bogotensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_boliviensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_budini	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_cursor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_dayi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Akodon_dolores	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_fumeus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_iniscatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_juninensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_kofordi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_latebricola	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_leucolimnaeus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_lindberghi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_lutescens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_mimus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_molinae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_mollis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_montensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_mystax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_neocenus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_oenos	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_orophilus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_paranaensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Akodon_pervalens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_philipmyersi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_reigi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_sanctipaulensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_serrensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_siberiae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_simulator	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_spegazzinii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_subfuscus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_surdus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_sylvanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_toba	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_torques	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Akodon_varius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alcelaphus_buselaphus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Alces_alces	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Alces_americanus	*0*	*0*	*0*	*0*	*0*	*0.507453*	*0*	*0*	*0.492547*	*Nearctic*
Alionycteris_paucidentata	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Allactaga_balikunica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Allactaga_bullata	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Allactaga_elater	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Allactaga_euphratica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Allactaga_firouzi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Allactaga_hotsoni	*0*	*0*	*0*	*9.84E-05*	*0*	*0*	*0*	*0*	*0.999902*	*Palearctic*
Allactaga_major	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Allactaga_severtzovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Allactaga_sibirica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Allactaga_tetradactyla	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Allactaga_vinogradovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Allactaga_williamsi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Allactodipus_bobrinskii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Allenopithecus_nigroviridis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Allocebus_trichotis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Allocricetulus_curtatus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Allocricetulus_eversmanni	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Alopex_lagopus	*0*	*0*	*0*	*0*	*0*	*0.597081*	*0*	*0*	*0.402919*	*Nearctic*

Alouatta_arctoidea	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alouatta_belzebul	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alouatta_caraya	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alouatta_discolor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alouatta_guariba	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alouatta_juara	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alouatta_macconnelli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alouatta_nigerrima	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alouatta_palliata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alouatta_pigra	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alouatta_puruensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alouatta_sara	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alouatta_seniculus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alouatta_ululata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Alticola_albicaudus	*0*	*0*	*0*	*6.34 E-05*	*0*	*0*	*0*	*0*	*0.99 9937*	*Palearctic*
Alticola_argentatus	*0*	*0*	*0*	*0.01 2284*	*0*	*0*	*0*	*0*	*0.98 7716*	*Palearctic*
Alticola_barakshin	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Alticola_lemminus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Alticola_macrotis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Alticola_montosa	*0*	*0*	*0*	*0.38991*	*0*	*0*	*0*	*0*	*0.61009*	*Palearctic*
Alticola_olchonensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Alticola_roylei	*0*	*0*	*0*	*0.43575*	*0*	*0*	*0*	*0*	*0.56425*	*Palearctic*
Alticola_semicanus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Alticola_stoliczkanus	*0*	*0*	*0*	*0.010145*	*0*	*0*	*0*	*0*	*0.989855*	*Palearctic*
Alticola_strelzowi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Alticola_tuvinicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Amblysomus_corriae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Amblysomus_hottentotus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Amblysomus_marleyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Amblysomus_robustus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Amblysomus_septentrionalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Ametrida_centurio	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ammodillus_imbellis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Ammodorcas_clarkei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Ammospermophilus_harrisii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Ammospermophilus_interpres	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Ammospermophilus_leucurus	*0*	*0*	*0*	*0*	*0*	*0.991682*	*0.008318*	*0*	*0*	*Nearctic*
Ammospermophilus_nelsoni	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Ammotragus_lervia	*0.052878*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.947122*	*Palearctic*
Amorphochilus_schnablii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Amphinectomys_savamis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Anathana_ellioti	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Andalgalomys_olrogi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Andalgalomys_pearsoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Andinomys_edax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Anisomys_imitator	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Anomalurus_beecrofti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Anomalurus_derbianus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Anomalurus_pelii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Anomalurus_pusillus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Anonymomys_mindorensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Anotomys_leander	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Anoura_caudifer	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Anoura_cultrata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Anoura_fistulata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Anoura_geoffroyi	*0*	*0*	*0*	*0*	*0*	*0.01879*	*0.98121*	*0*	*0*	*Neotropic*
Anoura_latidens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Anoura_luismanueli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Anourosorex_assamensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Anourosorex_schmidi	*0*	*0*	*0*	*0.730631*	*0*	*0*	*0*	*0*	*0.269369*	*Indo-Malay*
Anourosorex_squamipes	*0*	*0*	*0*	*0.347031*	*0*	*0*	*0*	*0*	*0.652969*	*Palearctic*
Anourosorex_yamashinai	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Antechinomys_laniger	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Antechinus_adustus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Antechinus_agilis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Antechinus_bellus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Antechinus_flavipes	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Antechinus_godmani	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Antechinus_leo	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Antechinus_minimus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Antechinus_stuartii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Antechinus_subtropicus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Antechinus_swainsonii	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Anthops_ornatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Antidorcas_marsupialis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Antilocapra_americana	*0*	*0*	*0*	*0*	*0*	*0.999927*	*4.75E-05*	*2.54E-05*	*0*	*Nearctic*
Antilope_cervicapra	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Antrozous_pallidus	*0*	*0*	*0*	*0*	*0*	*0.904504*	*0.095496*	*0*	*0*	*Nearctic*
Aonyx_capensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Aonyx_cinerea	*0*	*0*	*0*	*0.956471*	*0*	*0*	*0*	*0*	*0.043529*	*Indo-Malay*
Aonyx_congicus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Aotus_azarae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aotus_brumbacki	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aotus_griseimembra	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aotus_jorgehernandezi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aotus_lemurinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aotus_miconax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aotus_nancymaae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aotus_nigriceps	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Aotus_trivirgatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aotus_vociferans	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aotus_zonalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Aplodontia_rufa	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Apodemus_agrarius	*0*	*0*	*0*	*0.023392*	*0*	*0*	*0*	*0*	*0.976608*	*Palearctic*
Apodemus_alpicola	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Apodemus_argenteus	*0*	*0*	*0*	*0.002204*	*0*	*0*	*0*	*0*	*0.997796*	*Palearctic*
Apodemus_chevrieri	*0*	*0*	*0*	*0.122615*	*0*	*0*	*0*	*0*	*0.877385*	*Palearctic*
Apodemus_draco	*0*	*0*	*0*	*0.24289*	*0*	*0*	*0*	*0*	*0.75711*	*Palearctic*
Apodemus_epimelas	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Apodemus_flavicollis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Apodemus_gurkha	*0*	*0*	*0*	*0.632491*	*0*	*0*	*0*	*0*	*0.367509*	*Indo-Malay*
Apodemus_hyrcanicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Apodemus_latronum	*0*	*0*	*0*	*0.105915*	*0*	*0*	*0*	*0*	*0.894085*	*Palearctic*
Apodemus_mystacinus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Apodemus_pallipes	*0*	*0*	*0*	*0.124748*	*0*	*0*	*0*	*0*	*0.875252*	*Palearctic*
Apodemus_peninsulae	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Apodemus_ponticus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Apodemus_rusiges	*0*	*0*	*0*	*0.245557*	*0*	*0*	*0*	*0*	*0.754443*	*Palearctic*
Apodemus_semotus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Apodemus_speciosus	*0*	*0*	*0*	*0.002192*	*0*	*0*	*0*	*0*	*0.997808*	*Palearctic*
Apodemus_sylvaticus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Apodemus_uralensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Apodemus_witherbyi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Apomys_abrae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Apomys_camiguinensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Apomys_datae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Apomys_gracilirostris	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Apomys_hylocetes	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Apomys_insignis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Apomys_littoralis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Apomys_microdon	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Apomys_musculus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Apomys_sacobianus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Aproteles_bulmerae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Arabitragus_jayakari	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Arborimus_albipes	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Arborimus_longicaudus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Arborimus_pomo	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Archboldomys_luzonensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Arctictis_binturong	*0*	*0*	*0*	*0.992017*	*0*	*0*	*0*	*0*	*0.007983*	*Indo-Malay*
Arctocebus_aureus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Arctocebus_calabarensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Arctocephalus_australis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Arctocephalus_forsteri	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Arctocephalus_galapagoensis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Arctocephalus_gazella	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Arctocephalus_philippii	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Arctocephalus_pusillus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*

Arctocephalus_townsendi	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Arctocephalus_tropicalis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Arctogalidia_trivirgata	*0*	*0*	*0*	*0.997044*	*0*	*0*	*0*	*0*	*0.002956*	*Indo-Malay*
Arctonyx_collaris	*0*	*0*	*0*	*0.453205*	*0*	*0*	*0*	*0*	*0.546795*	*Palearctic*
Ardops_nichollsi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Arielulus_aureocollaris	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Arielulus_circumdatus	*0*	*0*	*0*	*0.958345*	*0*	*0*	*0*	*0*	*0.041655*	*Indo-Malay*
Arielulus_cuprosus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Arielulus_societatis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Arielulus_torquatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Ariteus_flavescens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Artibeus_amplus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Artibeus_andersenii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Artibeus_aztecus	*0*	*0*	*0*	*0*	*0*	*0.169825*	*0.830175*	*0*	*0*	*Neotropic*
Artibeus_cinereus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Artibeus_concolor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Artibeus_fimbriatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Artibeus_fraterculus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Artibeus_glaucus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Artibeus_gnomus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Artibeus_hirsutus	*0*	*0*	*0*	*0*	*0*	*0.24518*	*0.75482*	*0*	*0*	*Neotropic*
Artibeus_inopinatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Artibeus_jamaicensis	*0*	*0*	*0*	*0*	*0*	*0.024377*	*0.975623*	*0*	*0*	*Neotropic*
Artibeus_lituratus	*0*	*0*	*0*	*0*	*0*	*0.008161*	*0.991839*	*0*	*0*	*Neotropic*
Artibeus_obscurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Artibeus_phaeotis	*0*	*0*	*0*	*0*	*0*	*0.009052*	*0.990948*	*0*	*0*	*Neotropic*
Artibeus_planirostris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Artibeus_rosenbergii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Artibeus_toltecus	*0*	*0*	*0*	*0*	*0*	*0.134698*	*0.865302*	*0*	*0*	*Neotropic*
Artibeus_watsoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Arvicanthis_abyssinicus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Arvicanthis_ansorgei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Arvicanthis_blicki	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Arvicanthis_nairobae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Arvicanthis_neumanni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Arvicanthis_niloticus	*0.980137*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.019863*	*Afrotropic*
Arvicanthis_rufinus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Arvicola_amphibius	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Arvicola_sapidus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Arvicola_scherman	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Asellia_patrizii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Asellia_tridens	*0.249366*	*0*	*0*	*0.003085*	*0*	*0*	*0*	*0*	*0.747549*	*Palearctic*
Aselliscus_stoliczkanus	*0*	*0*	*0*	*0.764511*	*0*	*0*	*0*	*0*	*0.235489*	*Indo-Malay*
Aselliscus_tricuspidatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Atelerix_albiventris	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Atelerix_algirus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Atelerix_frontalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Atelerix_sclateri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Ateles_belzebuth	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ateles_chamek	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ateles_fusciceps	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ateles_geoffroyi	*0*	*0*	*0*	*0*	*0*	*0.012197*	*0.987803*	*0*	*0*	*Neotropic*

Ateles_hybridus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ateles_marginatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ateles_paniscus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Atelocynus_microtis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Atherurus_africanus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Atherurus_macrourus	*0*	*0*	*0*	*0.82967*	*0*	*0*	*0*	*0*	*0.17033*	*Indo-Malay*
Atilax_paludinosus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Atlantoxerus_getulus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Auliscomys_boliviensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Auliscomys_pictus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Auliscomys_sublimis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Avahi_betsileo	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Avahi_cleesei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Avahi_laniger	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Avahi_meridionalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Avahi_occidentalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Avahi_peyrierasi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Avahi_ramanantsoavanai	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Avahi_unicolor	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Axis_axis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Axis_calamianensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Axis_kuhlii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Axis_porcinus	*0*	*0*	*0*	*0.999221*	*0*	*0*	*0*	*0*	*0.000779*	*Indo-Malay*
Babyrousa_babyrussa	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Babyrousa_celebensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Babyrousa_togeanensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Baiomys_musculus	*0*	*0*	*0*	*0*	*0*	*0.001408*	*0.998592*	*0*	*0*	*Neotropic*
Baiomys_taylori	*0*	*0*	*0*	*0*	*0*	*0.798999*	*0*	*0*	*0.201001*	*Nearctic*
Baiyankamys_habbema	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Baiyankamys_shawmayeri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Balaena_mysticetus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Balaenoptera_acutorostrata	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Balaenoptera_bonaerensis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Balaenoptera_borealis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Balaenoptera_edeni	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*

Balaenoptera_musculus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Balaenoptera_omurai	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Balaenoptera_physalus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Balantiopteryx_infusca	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Balantiopteryx_io	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Balantiopteryx_plicata	*0*	*0*	*0*	*0*	*0*	*0.055328*	*0.944672*	*0*	*0*	*Neotropic*
Balionycteris_maculata	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Bandicota_bengalensis	*3.39E-06*	*0*	*0*	*0.981766*	*0*	*0*	*0*	*0*	*0.018231*	*Indo-Malay*
Bandicota_indica	*0*	*0*	*0*	*0.949751*	*0*	*0*	*0*	*0*	*0.050249*	*Indo-Malay*
Bandicota_savilei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Barbastella_barbastellus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Barbastella_leucomelas	*0.002475*	*0*	*0*	*0.118656*	*0*	*0*	*0*	*0*	*0.878868*	*Palearctic*
Bassaricyon_allenі	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Bassaricyon_beddardi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Bassaricyon_gabbii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Bassaricyon_lasius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Bassaricyon_pauli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Bassariscus_astutus	*0*	*0*	*0*	*0*	*0*	*0.885641*	*0.114359*	*0*	*0*	*Nearctic*
Bassariscus_sumichrasti	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Bathyergus_janetta	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Bathyergus_suillus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Batomys_dentatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Batomys_granti	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Batomys_russatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Batomys_salomonseni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Bauerus_dubiaquercus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Bdeogale_crassicauda	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Bdeogale_jacksoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Bdeogale_nigripes	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Bdeogale_omnivora	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Beamys_hindei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Beatragus_hunteri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Belomys_pearsonii	*0*	*0*	*0*	*0.680144*	*0*	*0*	*0*	*0*	*0.319856*	*Indo-Malay*

Berardius_arnuxii	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Berardius_bairdii	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Berylmys_berdmorei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Berylmys_bowersi	*0*	*0*	*0*	*0.774379*	*0*	*0*	*0*	*0*	*0.225621*	*Indo-Malay*
Berylmys_mackenziei	*0*	*0*	*0*	*0.984479*	*0*	*0*	*0*	*0*	*0.015521*	*Indo-Malay*
Berylmys_manipulus	*0*	*0*	*0*	*0.964367*	*0*	*0*	*0*	*0*	*0.035633*	*Indo-Malay*
Bettongia_gaimardi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Bettongia_lesueur	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Bettongia_penicillata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Bettongia_tropica	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Bibimys_chacoensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Bibimys_labiosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Bibimys_torresi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Bison_bison	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Bison_bonasus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Biswamoyopterus_biswasi	*0*	*0*	*0*	*0.999977*	*0*	*0*	*0*	*0*	*2.26E-05*	*Indo-Malay*

Blanfordimys_afghanus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Blanfordimys_bucharensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Blarina_brevicauda	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Blarina_carolinensis	*0*	*0*	*0*	*0*	*0*	*0.999547*	*0.000453*	*0*	*0*	*Nearctic*
Blarina_hylophaga	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Blarinella_griselda	*0*	*0*	*0*	*0.131605*	*0*	*0*	*0*	*0*	*0.868395*	*Palearctic*
Blarinella_quadraticauda	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Blarinella_wardi	*0*	*0*	*0*	*0.615625*	*0*	*0*	*0*	*0*	*0.384375*	*Indo-Malay*
Blarinomys_breviceps	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Blastocerus_dichotomus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Bos_gaurus	*0*	*0*	*0*	*0.978939*	*0*	*0*	*0*	*0*	*0.021061*	*Indo-Malay*
Bos_javanicus	*0*	*0*	*0.011077*	*0.988923*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Bos_mutus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Bos_sauveli	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Boselaphus_tragocamelus	*0*	*0*	*0*	*0.999999*	*0*	*0*	*0*	*0*	*1.17E-06*	*Indo-Malay*
Brachiones_przewalskii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Brachylagus_idahoensis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Brachyphylla_cavernarum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Brachyphylla_nana	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Brachytarsomys_albicauda	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Brachytarsomys_villosa	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Brachyteles_arachnoides	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Brachyteles_hypoxanthus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Brachyuromys_betsileoensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Brachyuromys_ramirohitra	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Bradypus_torquatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Bradypus_tridactylus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Bradypus_variegatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Brucepattersonius_albinasus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Brucepattersonius_griserufescens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Brucepattersonius_guarani	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Brucepattersonius_igniventris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Brucepattersonius_iheringi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Brucepattersonius_misionensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Brucepattersonius_paradisus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Brucepattersonius_soricinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Bubalus_arnee	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Bubalus_depressicornis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Bubalus_mindorensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Bubalus_quarlesi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Budorcas_taxicolor	*0*	*0*	*0*	*0.19043*	*0*	*0*	*0*	*0*	*0.80957*	*Palearctic*
Bullimus_bagobus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Bullimus_gamay	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Bullimus_luzonicus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Bunolagus_monticularis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Bunomys_andrewsi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Bunomys_chrysocomus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Bunomys_coelestis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Bunomys_fratrorum	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Bunomys_penitus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Bunomys_prolatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Burramys_parvus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Cabassous_centralis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cabassous_chacoensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cabassous_tatouay	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cabassous_unicinctus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cacajao_ayresi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cacajao_calvus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cacajao_hosomi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cacajao_melanocephalus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Caenolestes_caniventer	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Caenolestes_condorensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Caenolestes_convelatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Caenolestes_fuliginosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calcochloris_leucorhinus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Calcochloris_obtusirostris	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Calcochloris_tytonis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Callibella_humilis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Callicebus_aureipalatii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_baptista	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_barbarabrownae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_bernhardi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_brunneus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_caligatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_caquetensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_cinerascens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_coimbrai	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_cupreus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_discolor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_donacophilus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_dubius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_hoffmannsi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_lucifer	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_lugens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_medemi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_melanochir	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Callicebus_modestus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_moloch	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_nigrifrons	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_oenanthe	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_olallae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_ornatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_pallescens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_personatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_purinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_regulus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_stephennashi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callicebus_torquatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callimico_goeldii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callistomys_pictus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callithrix_aurita	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callithrix_flaviceps	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callithrix_geoffroyi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callithrix_jacchus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Callithrix_kuhlii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callithrix_penicillata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Callorhinus_ursinus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Callosciurus_adamsi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Callosciurus_albescens	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Callosciurus_baluensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Callosciurus_caniceps	*0*	*0*	*0*	*0.994127*	*0*	*0*	*0*	*0*	*0.005873*	*Indo-Malay*
Callosciurus_erythraeus	*0*	*0*	*0*	*0.62261*	*0*	*0*	*0*	*0*	*0.37739*	*Indo-Malay*
Callosciurus_finlaysonii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Callosciurus_inornatus	*0*	*0*	*0*	*0.983116*	*0*	*0*	*0*	*0*	*0.016884*	*Indo-Malay*
Callosciurus_melanogaster	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Callosciurus_nigrovittatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Callosciurus_notatus	*0*	*0*	*0.003513*	*0.996487*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Callosciurus_orestes	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Callosciurus_phayrei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Callosciurus_prevostii	*0*	*0*	*0.01565*	*0.98435*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Callosciurus_pygerythrus	*0*	*0*	*0*	*0.96904*	*0*	*0*	*0*	*0*	*0.03096*	*Indo-Malay*
Callosciurus_quinquestriatus	*0*	*0*	*0*	*0.735151*	*0*	*0*	*0*	*0*	*0.264849*	*Indo-Malay*
Calomys_boliviae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calomys_callidus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calomys_callosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calomys_expulsus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calomys_fecundus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calomys_hummelincki	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calomys_laucha	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calomys_lepidus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calomys_musculinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calomys_sorellus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calomys_tener	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calomys_tocantinsi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calomys_venustus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Calomyscus_bailwardi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Calomyscus_baluchi	*0*	*0*	*0*	*0.051833*	*0*	*0*	*0*	*0*	*0.948167*	*Palearctic*
Calomyscus_elburzensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Calomyscus_grandis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Calomyscus_hotsoni	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Calomyscus_mystax	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Calomyscus_tsolovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Calomyscus_urartensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Caluromys_derbianus	*0*	*0*	*0*	*0*	*0*	*0.000139*	*0.999861*	*0*	*0*	*Neotropic*
Caluromys_lanatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Caluromys_philander	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Caluromysiops_irrupta	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Calyptophractus_retusus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Camelus_ferus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Canis_adustus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Canis_aureus	*0.279604*	*0*	*0*	*0.174434*	*0*	*0*	*0*	*0*	*0.545962*	*Palearctic*
Canis_latrans	*0*	*0*	*0*	*0*	*0*	*0.961586*	*0.038414*	*0*	*0*	*Nearctic*
Canis_lupus	*0.006169*	*0*	*0*	*0.010445*	*0*	*0.276974*	*0*	*0*	*0.706412*	*Palearctic*

Canis_mesomelas	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Canis_rufus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Canis_simensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cannomys_badius	*0*	*0*	*0*	*0.998723*	*0*	*0*	*0*	*0*	*0.001277*	*Indo-Malay*
Cansumys_canus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Caperea_marginata	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Capra_aegagrus	*0*	*0*	*0*	*0.004013*	*0*	*0*	*0*	*0*	*0.995987*	*Palearctic*
Capra_caucasica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Capra_cylindricornis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Capra_falconeri	*0*	*0*	*0*	*0.087681*	*0*	*0*	*0*	*0*	*0.912319*	*Palearctic*
Capra_ibex	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Capra_nubiana	*0.254359*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.745641*	*Palearctic*
Capra_pyrenaica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Capra_sibirica	*0*	*0*	*0*	*0.005064*	*0*	*0*	*0*	*0*	*0.994936*	*Palearctic*
Capra_walie	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Capreolus_capreolus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Capreolus_pygargus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Capricornis_crispus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Capricornis_milne edwardsii	*0*	*0*	*0*	*0.54 6398*	*0*	*0*	*0*	*0*	*0.45 3602*	*Indo-Mala y*
Capricornis_rubid us	*0*	*0*	*0*	*0.89 5799*	*0*	*0*	*0*	*0*	*0.10 4201*	*Indo-Mala y*
Capricornis_suma traensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Mala y*
Capricornis_swinh oei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Mala y*
Capricornis_thar	*0*	*0*	*0*	*0.78 6358*	*0*	*0*	*0*	*0*	*0.21 3642*	*Indo-Mala y*
Caprolagus_hispid us	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Mala y*
Capromys_piloride s	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotr opic*
Caracal_aurata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotr opic*
Caracal_caracal	*0.61 3559*	*0*	*0*	*0.05 3214*	*0*	*0*	*0*	*0*	*0.33 3227*	*Afrotr opic*
Cardiocranius_pa radoxus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palea rctic*
Cardioderma_cor	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotr opic*
Carollia_brevicau da	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotr opic*
Carollia_castanea	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotr opic*
Carollia_manu	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotr opic*
Carollia_perspicill ata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotr opic*
Carollia_sowelli	*0*	*0*	*0*	*0*	*0*	*0.00 0162*	*0.99 9838*	*0*	*0*	*Neotr opic*

Carollia_subrufa	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Carpitalpa_arendsi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Carpomys_melanurus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Carpomys_phaeurus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Carterodon_sulcidens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Caryomys_eva	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Caryomys_inez	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Casinycteris_argynnis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Castor_canadensis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Castor_fiber	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Catagonus_wagneri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cavia_aperea	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cavia_fulgida	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cavia_magna	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cavia_tschudii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cebuella_pygmaea	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cebus_albifrons	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cebus_apella	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Cebus_capucinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cebus_cay	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cebus_flavius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cebus_kaapori	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cebus_libidinosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cebus_macrocephalus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cebus_nigritus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cebus_olivaceus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cebus_robustus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cebus_xanthosternos	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Centronycteris_centralis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Centronycteris_maximiliani	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Centurio_senex	*0*	*0*	*0*	*0*	*0*	*0.035676*	*0.964324*	*0*	*0*	*Neotropic*
Cephalophus_adersi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalophus_callipygus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalophus_dorsalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalophus_harveyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalophus_jentinki	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Cephalophus_leucogaster	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalophus_natalensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalophus_niger	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalophus_nigrifrons	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalophus_ogilbyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalophus_rufilatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalophus_silvicultor	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalophus_spadix	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalophus_weynsi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalophus_zebra	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cephalorhynchus_commersonii	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Cephalorhynchus_eutropia	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Cephalorhynchus_heavisidii	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Cephalorhynchus_hectori	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Ceratotherium_simum	*0.876351*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.123649*	*Afrotropic*
Cercartetus_caudatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Cercartetus_concinnus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Cercartetus_lepidus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Cercartetus_nanus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Cercocebus_agilis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercocebus_atys	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercocebus_chrysogaster	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercocebus_galeritus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercocebus_sanjei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercocebus_torquatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_ascanius	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_campbelli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_cephus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_diana	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_dryas	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_erythrogaster	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_erythrotis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_hamlyni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_lhoesti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_mitis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_mona	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Cercopithecus_neglectus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_nictitans	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_petaurista	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_pogonias	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_preussi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_sclateri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cercopithecus_solatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cerdocyon_thous	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cerradomys_andersoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cerradomys_maracajuensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cerradomys_marinhus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cerradomys_scotti	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cerradomys_subflavus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cervus_elaphus	*0*	*0*	*0*	*0.002664*	*0*	*0.131663*	*0*	*0*	*0.865673*	*Palearctic*
Cervus_nippon	*0*	*0*	*0*	*0.031819*	*0*	*0*	*0*	*0*	*0.968181*	*Palearctic*
Chacodelphys_formosa	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chaetocauda_sichuanensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Chaetodipus_arenarius	*0*	*0*	*0*	*0*	*0*	*0.986661*	*0.013339*	*0*	*0*	*Nearctic*

Chaetodipus_artus	*0*	*0*	*0*	*0*	*0*	*0.39198*	*0.60802*	*0*	*0*	*Neotropic*
Chaetodipus_baileyi	*0*	*0*	*0*	*0*	*0*	*0.995802*	*0.004198*	*0*	*0*	*Nearctic*
Chaetodipus_californicus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Chaetodipus_dalquesti	*0*	*0*	*0*	*0*	*0*	*0.352789*	*0.647211*	*0*	*0*	*Neotropic*
Chaetodipus_eremicus	*0*	*0*	*0*	*0*	*0*	*0.999606*	*0.000394*	*0*	*0*	*Nearctic*
Chaetodipus_fallax	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Chaetodipus_formosus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Chaetodipus_goldmani	*0*	*0*	*0*	*0*	*0*	*0.736027*	*0.263973*	*0*	*0*	*Nearctic*
Chaetodipus_hispidus	*0*	*0*	*0*	*0*	*0*	*0.986911*	*0.013089*	*0*	*0*	*Nearctic*
Chaetodipus_intermedius	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Chaetodipus_lineatus	*0*	*0*	*0*	*0*	*0*	*0.976043*	*0.023957*	*0*	*0*	*Nearctic*
Chaetodipus_nelsoni	*0*	*0*	*0*	*0*	*0*	*0.984955*	*0.015045*	*0*	*0*	*Nearctic*
Chaetodipus_penicillatus	*0*	*0*	*0*	*0*	*0*	*0.999096*	*0.000904*	*0*	*0*	*Nearctic*
Chaetodipus_pernix	*0*	*0*	*0*	*0*	*0*	*0.483086*	*0.516914*	*0*	*0*	*Neotropic*
Chaetodipus_rudinoris	*0*	*0*	*0*	*0*	*0*	*0.973734*	*0.026266*	*0*	*0*	*Nearctic*
Chaetodipus_spinatus	*0*	*0*	*0*	*0*	*0*	*0.937646*	*0.062354*	*0*	*0*	*Nearctic*
Chaetomys_subspinosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chaetophractus_nationi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Chaetophractus_vellerosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chaetophractus_villosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chalinolobus_dwyeri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Chalinolobus_gouldii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Chalinolobus_morio	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Chalinolobus_neocaledonicus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Chalinolobus_nigrogriseus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Chalinolobus_picatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Chalinolobus_tuberculatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Cheirogaleus_adipicaudatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cheirogaleus_crossleyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cheirogaleus_major	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cheirogaleus_medius	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cheirogaleus_minusculus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cheirogaleus_ravus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cheirogaleus_sibreei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cheiromeles_parvidens	*0*	*0*	*0.387363*	*0.612637*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Cheiromeles_torquatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Chelemys_delfini	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chelemys_macronyx	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chelemys_megalonyx	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chibchanomys_orcesi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chibchanomys_trichotis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chilomys_instans	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chilonatalus_micropus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chilonatalus_tumidifrons	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chimarrogale_hantu	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Chimarrogale_himalayica	*0*	*0*	*0*	*0.334757*	*0*	*0*	*0*	*0*	*0.665243*	*Palearctic*
Chimarrogale_phaeura	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Chimarrogale_platycephalus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Chimarrogale_styani	*0*	*0*	*0*	*0.037734*	*0*	*0*	*0*	*0*	*0.962266*	*Palearctic*
Chimarrogale_sumatrana	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Chinchilla_chinchilla	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chinchilla_lanigera	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chinchillula_sahamae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Chionomys_gud	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Chionomys_nivalis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Chionomys_roberti	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Chiroderma_doriae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chiroderma_improvisum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chiroderma_salvini	*0*	*0*	*0*	*0*	*0*	*0.022018*	*0.977982*	*0*	*0*	*Neotropic*
Chiroderma_trinitatum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chiroderma_villosum	*0*	*0*	*0*	*0*	*0*	*0.000136*	*0.999864*	*0*	*0*	*Neotropic*
Chiromyscus_chiropus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Chironax_melanocephalus	*0*	*0*	*0.005454*	*0.994546*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Chironectes_minimus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chiropodomys_calamianensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Chiropodomys_gliroides	*0*	*0*	*0*	*0.990189*	*0*	*0*	*0*	*0*	*0.009811*	*Indo-Malay*
Chiropodomys_karlkoopmani	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Chiropodomys_major	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Chiropodomys_muroides	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Chiropodomys_pusillus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Chiropotes_albinasus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chiropotes_chiropotes	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chiropotes_satanas	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chiropotes_utahickae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chiruromys_forbesi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Chiruromys_lamia	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Chiruromys_vates	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Chlamyphorus_truncatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chlorocebus_aethiops	*0.983345*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.016655*	*Afrotropic*
Chlorocebus_cynosuros	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Chlorocebus_djamdjamensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Chlorocebus_pygerythrus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Chlorocebus_sabaeus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Chlorocebus_tantalus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Chlorotalpa_duthieae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Chlorotalpa_sclateri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Chodsigoa_caovansunga	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Chodsigoa_hypsibia	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Chodsigoa_lamula	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Chodsigoa_parca	*0*	*0*	*0*	*0.337218*	*0*	*0*	*0*	*0*	*0.662782*	*Palearctic*
Chodsigoa_parva	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Chodsigoa_salenskii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Chodsigoa_smithii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Chodsigoa_sodalis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Choeroniscus_godmani	*0*	*0*	*0*	*0*	*0*	*0.001757*	*0.998243*	*0*	*0*	*Neotropic*
Choeroniscus_minor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Choeroniscus_periosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Choeronycteris_mexicana	*0*	*0*	*0*	*0*	*0*	*0.666874*	*0.333126*	*0*	*0*	*Nearctic*
Choeropsis_liberiensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Choloepus_didactylus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Choloepus_hoffmanni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chrotogale_owstoni	*0*	*0*	*0*	*0.9914*	*0*	*0*	*0*	*0*	*0.0086*	*Indo-Malay*
Chrotomys_gonzalesi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Chrotomys_mindorensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Chrotomys_sibuyanensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Chrotomys_silaceus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Chrotomys_whiteheadi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Chrotopterus_auritus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chrysochloris_asiatica	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Chrysochloris_stuhlmanni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Chrysochloris_visagiei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Chrysocyon_brachyurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Chrysospalax_trevelyani	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Chrysospalax_villosus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cistugo_lesueuri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cistugo_seabrae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Civettictis_civetta	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cloeotis_percivali	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Clyomys_bishopi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Clyomys_laticeps	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Coccymys_albidens	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Coccymys_ruemmleri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Coelops_frithii	*0*	*0*	*0*	*0.986105*	*0*	*0*	*0*	*0*	*0.013895*	*Indo-Malay*
Coelops_hirsutus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Coelops_robinsoni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Coendou_bicolor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Coendou_nycthemera	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Coendou_prehensilis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Coendou_quichua	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Coendou_rothschildi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Coendou_sanctamartae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Coleura_afra	*0.998762*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.001238*	*Afrotropic*
Coleura_seychellensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Colobus_angolensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Colobus_guereza	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Colobus_polykomos	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Colobus_satanas	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Colobus_vellerosus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Colomys_goslingi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Condylura_cristata	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Conepatus_chinga	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Conepatus_humboldtii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Conepatus_leuconotus	*0*	*0*	*0*	*0*	*0*	*0.7237*	*0.2763*	*0*	*0*	*Nearctic*
Conepatus_semistriatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Congosorex_phillipsorum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Congosorex_polli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Congosorex_verheyeni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Conilurus_penicillatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Connochaetes_gnou	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Connochaetes_taurinus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cormura_brevirostris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Corynorhinus_mexicanus	*0*	*0*	*0*	*0*	*0*	*0.525977*	*0.474023*	*0*	*0*	*Nearctic*
Corynorhinus_rafinesquii	*0*	*0*	*0*	*0*	*0*	*0.985599*	*0.014401*	*0*	*0*	*Nearctic*
Corynorhinus_townsendii	*0*	*0*	*0*	*0*	*0*	*0.962897*	*0.037103*	*0*	*0*	*Nearctic*
Craseonycteris_thonglongyai	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crateromys_australis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Crateromys_heaneyi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crateromys_paulus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crateromys_schadenbergi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Cratogeomys_castanops	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Cratogeomys_fulvescens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cratogeomys_fumosus	*0*	*0*	*0*	*0*	*0*	*0.212914*	*0.787086*	*0*	*0*	*Neotropic*
Cratogeomys_goldmani	*0*	*0*	*0*	*0*	*0*	*0.994856*	*0.005144*	*0*	*0*	*Nearctic*
Cratogeomys_merriami	*0*	*0*	*0*	*0*	*0*	*0.162784*	*0.837216*	*0*	*0*	*Neotropic*
Cratogeomys_perotensis	*0*	*0*	*0*	*0*	*0*	*0.050049*	*0.949951*	*0*	*0*	*Neotropic*
Cratogeomys_planiceps	*0*	*0*	*0*	*0*	*0*	*0.023748*	*0.976252*	*0*	*0*	*Neotropic*
Cremnomys_cutchicus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Cremnomys_elvira	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Cricetomys_emini	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cricetomys_gambianus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cricetulus_alticola	*0*	*0*	*0*	*0.016605*	*0*	*0*	*0*	*0*	*0.983395*	*Palearctic*
Cricetulus_barabensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Cricetulus_kamensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Cricetulus_lama	*0*	*0*	*0*	*0.001894*	*0*	*0*	*0*	*0*	*0.998106*	*Palearctic*
Cricetulus_longicaudatus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Cricetulus_migratorius	*0*	*0*	*0*	*0.001394*	*0*	*0*	*0*	*0*	*0.998606*	*Palearctic*
Cricetulus_sokolovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Cricetulus_tibetanus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Cricetus_cricetus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_aleksandrisi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_allex	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_andamanensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_ansellorum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_arabica	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_arispa	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_armenica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_attenuata	*0*	*0*	*0*	*0.676118*	*0*	*0*	*0*	*0*	*0.323882*	*Indo-Malay*
Crocidura_attila	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_baileyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Crocidura_baluensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_batesi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_beatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_beccarii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_bottegi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_bottegoides	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_brunnea	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_buettikoferi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_caliginea	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_canariensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_caspica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_cinderella	*0.999995*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*5.36E-06*	*Afrotropic*
Crocidura_congobelgica	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_crenata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_crossei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_cyanea	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_denti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Crocidura_desperata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_dolichura	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_douceti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_dsinezumi	*0*	*0*	*0*	*0.002822*	*0*	*0*	*0*	*0*	*0.997178*	*Palearctic*
Crocidura_eisentrauti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_elgonius	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_elongata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Crocidura_erica	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_fischeri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_flavescens	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_floweri	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_foetida	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_foxi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_fuliginosa	*0*	*0*	*0*	*0.714777*	*0*	*0*	*0*	*0*	*0.285223*	*Indo-Malay*
Crocidura_fulvastra	*0.988685*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.011315*	*Afrotropic*
Crocidura_fumosa	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_fuscomurina	*0.997452*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.002548*	*Afrotropic*
Crocidura_glassi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Crocidura_gmelini	*0*	*0*	*0*	*0.017764*	*0*	*0*	*0*	*0*	*0.982236*	*Palearctic*
Crocidura_goliath	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_gracilipes	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_grandiceps	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_grandis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_grassei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_grayi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_greenwoodi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_harenna	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_hikmiya	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_hildegardeae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_hilliana	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_hirta	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_hispida	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_horsfieldii	*0*	*0*	*0*	*0.723035*	*0*	*0*	*0*	*0*	*0.276965*	*Indo-Malay*
Crocidura_hutanis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Crocidura_indochinensis	*0*	*0*	*0*	*0.968381*	*0*	*0*	*0*	*0*	*0.031619*	*Indo-Malay*
Crocidura_jacksoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_jenkinsi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_jouvenetae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_katinka	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_kivuana	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_lamottei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_lanosa	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_lasiura	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_latona	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_lea	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Crocidura_lepidura	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_leucodon	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_levicula	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Crocidura_littoralis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_longipes	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_lucina	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Crocidura_ludia	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_luna	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_lusitania	*0.740011*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.259989*	*Afrotropic*
Crocidura_macarthuri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_macmillani	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_macowi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_malayana	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_manengubae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_maquassiensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_mariquensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_mauritica	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_maxi	*0*	*0*	*0.394497*	*0.605503*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_mindorus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_miya	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_monax	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_monticola	*0*	*0*	*0.054661*	*0.945339*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Crocidura_montis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_muricauda	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_musseri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Crocidura_mutesae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_nana	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_nanilla	*0.999927*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*7.26E-05*	*Afrotropic*
Crocidura_negligens	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_negrina	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_nicobarica	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_nigeriae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_nigricans	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_nigripes	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Crocidura_nigrofusca	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_nimbae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_niobe	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_obscurior	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_olivieri	*0.990624*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.009376*	*Afrotropic*

Crocidura_orientalis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_orii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_pachyura	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_palawanensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_paradoxura	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_parvipes	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_pasha	*0.914099*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.085901*	*Afrotropic*
Crocidura_pergrisea	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_phaeura	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_picea	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_pitmani	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_planiceps	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_poensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_polia	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_pullata	*0*	*0*	*0*	*0.424635*	*0*	*0*	*0*	*0*	*0.575365*	*Palearctic*
Crocidura_raineyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_ramona	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Crocidura_rapax	*0*	*0*	*0*	*0.627632*	*0*	*0*	*0*	*0*	*0.372368*	*Indo-Malay*
Crocidura_religiosa	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_rhoditis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Crocidura_roosevelti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_russula	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_selina	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_serezkyensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_shantungensis	*0*	*0*	*0*	*0.030117*	*0*	*0*	*0*	*0*	*0.969883*	*Palearctic*
Crocidura_sibirica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_sicula	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_silacea	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_smithii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_somalica	*0.996223*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.003777*	*Afrotropic*
Crocidura_stenocephala	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_suaveolens	*3.74E-05*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.999963*	*Palearctic*
Crocidura_susiana	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_tanakae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_tansaniana	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Crocidura_tarella	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_tarfayensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_telfordi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_tenuis	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Crocidura_thalia	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_theresae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_thomensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_trichura	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_turba	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_ultima	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_usambarae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_viaria	*0.838686*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.161314*	*Afrotropic*
Crocidura_virgata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_voi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_vorax	*0*	*0*	*0*	*0.563215*	*0*	*0*	*0*	*0*	*0.436785*	*Indo-Malay*
Crocidura_vosmaeri	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_wataseai	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Crocidura_whitakeri	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_wimmeri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_wuchihensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crocidura_xantippe	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_yankariensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_zaphiri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_zarudnyi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocidura_zimmeri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crocidura_zimmermanni	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Crocuta_crocuta	*0.999943*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*5.73E-05*	*Afrotropic*
Crossarchus_alexandri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crossarchus_ansorgei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crossarchus_obscurus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crossarchus_platycephalus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Crossomys_moncktoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Crunomys_celebensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Crunomys_fallax	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Crunomys_melanius	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Crunomys_suncoides	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Cryptochloris_wintoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cryptochloris_zyli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cryptomys_hottentotus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cryptonanus_agricolai	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptonanus_chacoensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptonanus_guahybae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptonanus_unduaviensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptoprocta_ferox	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Cryptotis_alticola	*0*	*0*	*0*	*0*	*0*	*0.183593*	*0.816407*	*0*	*0*	*Neotropic*
Cryptotis_brachyonyx	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_colombiana	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_endersi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_equatoris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_goldmani	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_goodwini	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_gracilis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Cryptotis_griseoventris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_hondurensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_magna	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_mayensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_medellinia	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_mera	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_meridensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_merriami	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_mexicana	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_montivaga	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_nelsoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_nigrescens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_obscura	*0*	*0*	*0*	*0*	*0*	*0.474714*	*0.525286*	*0*	*0*	*Neotropic*
Cryptotis_orophila	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_parva	*0*	*0*	*0*	*0*	*0*	*0.917673*	*0.082327*	*0*	*0*	*Nearctic*
Cryptotis_peregrina	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_peruviensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_phillipsii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Cryptotis_squamipes	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_tamensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_thomasi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cryptotis_tropicalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenodactylus_gundi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ctenodactylus_vali	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ctenomys_argentinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_australis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_azarae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_bergi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_boliviensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_bonettoi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_brasiliensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_budini	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_colburni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_coludo	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_conoveri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_coyhaiquensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Ctenomys_dorbignyi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_dorsalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_emilianus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_famosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_flamarioni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_fochi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_fodax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_frater	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_fulvus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_goodfellowi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_haigi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_johannis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_juris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_knighti	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_lami	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_latro	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_leucodon	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_lewisi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Ctenomys_magellanicus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_maulinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_mendocinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_minutus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_occultus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_opimus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_osvaldoreigi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_pearsoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_perrensi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_peruanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_pilarensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_pontifex	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_porteousi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_pundti	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_rionegrensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_roigi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_saltarius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_scagliai	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Ctenomys_sericeus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_sociabilis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_steinbachi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_sylvanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_talarum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_torquatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_tuconax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_tucumanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_tulduco	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_validus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_viperinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ctenomys_yolandae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cuniculus_paca	*0*	*0*	*0*	*0*	*0*	*0.000104*	*0.999896*	*0*	*0*	*Neotropic*
Cuniculus_taczanowskii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cuon_alpinus	*0*	*0*	*0*	*0.319705*	*0*	*0*	*0*	*0*	*0.680295*	*Palearctic*
Cuscomys_ashaninka	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cyclopes_didactylus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cynictis_penicillata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Cynocephalus_volans	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Cynogale_bennettii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Cynomops_abrasus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cynomops_greenhalli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cynomops_mexicanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cynomops_paranus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cynomops_planirostris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Cynomys_gunnisoni	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Cynomys_leucurus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Cynomys_ludovicianus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Cynomys_mexicanus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Cynomys_parvidens	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Cynopterus_brachyotis	*0*	*0*	*0*	*0.99302*	*0*	*0*	*0*	*0*	*0.00698*	*Indo-Malay*
Cynopterus_horsfieldii	*0*	*0*	*0.003111*	*0.996889*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Cynopterus_luzoniensis	*0*	*0*	*0.36645*	*0.63355*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Cynopterus_minutus	*0*	*0*	*0.115468*	*0.884532*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Cynopterus_nusatenggara	*0*	*0*	*0.93666*	*0.06334*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Cynopterus_sphinx	*0*	*0*	*0.004378*	*0.952363*	*0*	*0*	*0*	*0*	*0.043259*	*Indo-Malay*
Cynopterus_titthaecheilus	*0*	*0*	*0.056004*	*0.943996*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Cystophora_cristata	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Cyttarops_alecto	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dacnomys_millardi	*0*	*0*	*0*	*0.835255*	*0*	*0*	*0*	*0*	*0.164745*	*Indo-Malay*
Dactylomys_boliviensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dactylomys_dactylinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dactylomys_peruanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dactylonax_palpator	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dactylopsila_megalura	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dactylopsila_tatei	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dactylopsila_trivirgata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dama_dama	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Dama_mesopotamica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Damaliscus_lunatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Damaliscus_pygargus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Dasycercus_blythi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dasycercus_cristicauda	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dasykaluta_rosamondae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dasymys_foxi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dasymys_incomtus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dasymys_montanus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dasymys_nudipes	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dasymys_rufulus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dasyprocta_azarae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasyprocta_coibae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasyprocta_cristata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasyprocta_fuliginosa	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasyprocta_guamara	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasyprocta_kalinowskii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasyprocta_leporina	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasyprocta_mexicana	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasyprocta_prymnolopha	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasyprocta_punctata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Dasyprocta_ruatanica	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasypus_hybridus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasypus_kappleri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasypus_novemcinctus	*0*	*0*	*0*	*0*	*0*	*0.175808*	*0.824192*	*0*	*0*	*Neotropic*
Dasypus_pilosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasypus_sabanicola	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasypus_septemcinctus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasypus_yepesi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dasyuroides_byrnei	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dasyurus_albopunctatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dasyurus_geoffroii	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dasyurus_hallucatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dasyurus_maculatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dasyurus_spartacus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dasyurus_viverrinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Daubentonia_madagascariensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Delanymys_brooksi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Delomys_collinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Delomys_dorsalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Delomys_sublineatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Delphinapterus_leucas	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Delphinus_capensis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Delphinus_delphis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Deltamys_kempi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dendrogale_melanura	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Dendrogale_murina	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Dendrohyrax_arboreus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dendrohyrax_dorsalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dendrohyrax_validus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dendrolagus_bennettianus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dendrolagus_dorianus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dendrolagus_goodfellowi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dendrolagus_inustus	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dendrolagus_lumholtzi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dendrolagus_matschiei	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dendrolagus_mayri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Dendrolagus_mbaiso	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dendrolagus_notatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dendrolagus_pulcherrimus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dendrolagus_scottae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dendrolagus_spadix	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dendrolagus_stellarum	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dendrolagus_ursinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dendromus_insignis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dendromus_kahuziensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dendromus_kivu	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dendromus_lovati	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dendromus_melanotis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dendromus_mesomelas	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dendromus_messorius	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dendromus_mystacalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dendromus_nyikae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dendromus_oreas	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dendromus_vernayi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Dendroprionomys_rousseloti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Deomys_ferrugineus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dephomys_defua	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Desmana_moschata	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Desmodilliscus_braueri	*0.74601*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.25399*	*Afrotropic*
Desmodillus_auricularis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Desmodus_rotundus	*0*	*0*	*0*	*0*	*0*	*0.030775*	*0.969225*	*0*	*0*	*Neotropic*
Desmomys_harringtoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Desmomys_yaldeni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Diaemus_youngi	*0*	*0*	*0*	*0*	*0*	*0.000535*	*0.999465*	*0*	*0*	*Neotropic*
Dicerorhinus_sumatrensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Diceros_bicornis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Diclidurus_albus	*0*	*0*	*0*	*0*	*0*	*0.001021*	*0.998979*	*0*	*0*	*Neotropic*
Diclidurus_ingens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Diclidurus_isabellus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Diclidurus_scutatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dicrostonyx_groenlandicus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dicrostonyx_hudsonius	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Dicrostonyx_nelsoni	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dicrostonyx_nunatakensis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dicrostonyx_richardsoni	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dicrostonyx_torquatus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Dicrostonyx_unalascensis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dicrostonyx_vinogradovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Didelphis_albiventris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Didelphis_aurita	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Didelphis_imperfecta	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Didelphis_marsupialis	*0*	*0*	*0*	*0*	*0*	*0.004197*	*0.995803*	*0*	*0*	*Neotropic*
Didelphis_pernigra	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Didelphis_virginiana	*0*	*0*	*0*	*0*	*0*	*0.820467*	*0.179533*	*0*	*0*	*Nearctic*
Dinaromys_bogdanovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Dinomys_branickii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Diomys_crumpi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Diphylla_ecaudata	*0*	*0*	*0*	*0*	*0*	*0.031252*	*0.968748*	*0*	*0*	*Neotropic*
Diplogale_hosei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Diplomesodon_pulchellum	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Diplomys_caniceps	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Diplomys_labilis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Diplothrix_legata	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Dipodomys_agilis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_californicus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_compactus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_deserti	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_elator	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_gravipes	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_heermanni	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_ingens	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_insularis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_margaritae	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_merriami	*0*	*0*	*0*	*0*	*0*	*0.965746*	*0.034254*	*0*	*0*	*Nearctic*
Dipodomys_microps	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_nelsoni	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_nitratoides	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_ordii	*0*	*0*	*0*	*0*	*0*	*0.992463*	*0.007537*	*0*	*0*	*Nearctic*

Dipodomys_panamintinus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_phillipsii	*0*	*0*	*0*	*0*	*0*	*0.608863*	*0.391137*	*0*	*0*	*Nearctic*
Dipodomys_simulans	*0*	*0*	*0*	*0*	*0*	*0.993411*	*0.006589*	*0*	*0*	*Nearctic*
Dipodomys_spectabilis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_stephensi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipodomys_venustus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Dipus_sagitta	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Distoechurus_pennatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dobsonia_anderseni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dobsonia_beaufortii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dobsonia_chapmani	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Dobsonia_crenulata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dobsonia_emersa	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dobsonia_exoleta	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dobsonia_inermis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dobsonia_minor	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dobsonia_moluccensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dobsonia_pannietensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Dobsonia_peronii	*0*	*0*	*0.935867*	*0.064133*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dobsonia_praedatrix	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dobsonia_viridis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dolichotis_patagonum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dolichotis_salinicola	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dologale_dybowskii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dorcatragus_megalotis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Dorcopsis_atrata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dorcopsis_hageni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dorcopsis_luctuosa	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dorcopsis_muelleri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dorcopsulus_macleayi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dorcopsulus_vanheurni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Dremomys_everetti	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Dremomys_gularis	*0*	*0*	*0*	*0.770663*	*0*	*0*	*0*	*0*	*0.229337*	*Indo-Malay*
Dremomys_lokriah	*0*	*0*	*0*	*0.590052*	*0*	*0*	*0*	*0*	*0.409948*	*Indo-Malay*
Dremomys_pernyi	*0*	*0*	*0*	*0.356459*	*0*	*0*	*0*	*0*	*0.643541*	*Palearctic*

Dremomys_pyrrhomerus	*0*	*0*	*0*	*0.34792*	*0*	*0*	*0*	*0*	*0.65208*	*Palearctic*
Dremomys_rufigenis	*0*	*0*	*0*	*0.910655*	*0*	*0*	*0*	*0*	*0.089345*	*Indo-Malay*
Dromiciops_gliroides	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Dryomys_laniger	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Dryomys_niethammeri	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Dryomys_nitedula	*0*	*0*	*0*	*0.002356*	*0*	*0*	*0*	*0*	*0.997644*	*Palearctic*
Dugong_dugon	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Dyacopterus_brooksi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Dyacopterus_spadiceus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Dymecodon_pilirostris	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Echimys_chrysurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Echimys_saturnus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Echimys_vieirai	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Echinoprocta_rufescens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Echinops_telfairi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Echinosorex_gymnura	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Echiothrix_centrosa	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Echiothrix_leucura	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Echymipera_clara	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Echymipera_davidi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Echymipera_echinista	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Echymipera_kalubu	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Echymipera_rufescens	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Ectophylla_alba	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eidolon_dupreanum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eidolon_helvum	*0.999974*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*2.59E-05*	*Afrotropic*
Eira_barbara	*0*	*0*	*0*	*0*	*0*	*0.006511*	*0.993489*	*0*	*0*	*Neotropic*
Elaphodus_cephalophus	*0*	*0*	*0*	*0.320239*	*0*	*0*	*0*	*0*	*0.679761*	*Palearctic*
Elaphurus_davidianus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Elephantulus_brachyrhynchus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Elephantulus_edwardii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Elephantulus_fuscipes	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Elephantulus_fuscus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Elephantulus_intufi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Elephantulus_myurus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Elephantulus_pilicaudus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Elephantulus_revoili	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Elephantulus_rozeti	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Elephantulus_rufescens	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Elephantulus_rupestris	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Elephas_maximus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Eligmodontia_moreni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eligmodontia_morgani	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eligmodontia_puerulus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eligmodontia_typus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eliomys_melanurus	*0.097163*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.902837*	*Palearctic*
Eliomys_munbyanus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eliomys_quercinus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eliurus_antsingy	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eliurus_danieli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eliurus_ellermani	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eliurus_grandidieri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eliurus_majori	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Eliurus_minor	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eliurus_myoxinus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eliurus_penicillatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eliurus_petteri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eliurus_tanala	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eliurus_webbi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Ellobius_alaicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ellobius_fuscocapillus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ellobius_lutescens	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ellobius_talpinus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ellobius_tancrei	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Emballonura_alecto	*0*	*0*	*0.160412*	*0.839588*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Emballonura_atrata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Emballonura_beccarii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Emballonura_dianae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Emballonura_furax	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Emballonura_monticola	*0*	*0*	*0.102507*	*0.897493*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Emballonura_raffrayana	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Emballonura_semicaudata	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*Oceania*
Emballonura_serii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Emballonura_tiavato	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Enchisthenes_hartii	*0*	*0*	*0*	*0*	*0*	*0.010484*	*0.989516*	*0*	*0*	*Neotropic*
Enhydra_lutris	*0*	*0*	*0*	*0*	*0*	*0.839852*	*0*	*0*	*0.160148*	*Nearctic*
Eoglaucomys_fimbriatus	*0*	*0*	*0*	*0.423399*	*0*	*0*	*0*	*0*	*0.576601*	*Palearctic*
Eolagurus_luteus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eolagurus_przewalskii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eonycteris_major	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Eonycteris_robusta	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Eonycteris_spelaea	*0*	*0*	*0.064961*	*0.93444*	*0*	*0*	*0*	*0*	*0.0006*	*Indo-Malay*
Eospalax_fontanierii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eospalax_rothschildi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eospalax_smithii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eothenomys_cachinus	*0*	*0*	*0*	*0.597237*	*0*	*0*	*0*	*0*	*0.402763*	*Indo-Malay*
Eothenomys_chinensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eothenomys_custos	*0*	*0*	*0*	*0.027634*	*0*	*0*	*0*	*0*	*0.972366*	*Palearctic*

Eothenomys_melanogaster	*0*	*0*	*0*	*0.307771*	*0*	*0*	*0*	*0*	*0.692229*	*Palearctic*
Eothenomys_miletus	*0*	*0*	*0*	*0.19772*	*0*	*0*	*0*	*0*	*0.80228*	*Palearctic*
Eothenomys_olitor	*0*	*0*	*0*	*0.133419*	*0*	*0*	*0*	*0*	*0.866581*	*Palearctic*
Eothenomys_proditor	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eothenomys_wardi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eozapus_setchuanus	*0*	*0*	*0*	*1.23E-05*	*0*	*0*	*0*	*0*	*0.999988*	*Palearctic*
Episoriculus_caudatus	*0*	*0*	*0*	*0.370686*	*0*	*0*	*0*	*0*	*0.629314*	*Palearctic*
Episoriculus_fumidus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Episoriculus_leucops	*0*	*0*	*0*	*0.404913*	*0*	*0*	*0*	*0*	*0.595087*	*Palearctic*
Episoriculus_macrurus	*0*	*0*	*0*	*0.344318*	*0*	*0*	*0*	*0*	*0.655682*	*Palearctic*
Epixerus_ebii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Epomophorus_angolensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Epomophorus_anselli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Epomophorus_crypturus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Epomophorus_gambianus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Epomophorus_grandis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Epomophorus_labiatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Epomophorus_minimus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Epomophorus_wahlbergi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Epomops_buettikoferi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Epomops_dobsonii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Epomops_franqueti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eptesicus_andinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eptesicus_bobrinskoi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eptesicus_bottae	*0.088574*	*0*	*0*	*0.011672*	*0*	*0*	*0*	*0*	*0.899754*	*Palearctic*
Eptesicus_brasiliensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eptesicus_chiriquinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eptesicus_diminutus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eptesicus_dimissus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Eptesicus_floweri	*0.891489*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.108511*	*Afrotropic*
Eptesicus_furinalis	*0*	*0*	*0*	*0*	*0*	*0.001163*	*0.998837*	*0*	*0*	*Neotropic*
Eptesicus_fuscus	*0*	*0*	*0*	*0*	*0*	*0.894917*	*0.105083*	*0*	*0*	*Nearctic*
Eptesicus_gobiensis	*0*	*0*	*0*	*0.015258*	*0*	*0*	*0*	*0*	*0.984742*	*Palearctic*
Eptesicus_guadeloupensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eptesicus_hottentotus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eptesicus_innoxius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Eptesicus_japonensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eptesicus_malagasyensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eptesicus_matroka	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eptesicus_nasutus	*0.260161*	*0*	*0*	*0.017695*	*0*	*0*	*0*	*0*	*0.722144*	*Palearctic*
Eptesicus_nilssonii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eptesicus_pachyotis	*0*	*0*	*0*	*0.070313*	*0*	*0*	*0*	*0*	*0.929687*	*Palearctic*
Eptesicus_platyops	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eptesicus_serotinus	*0*	*0*	*0*	*0.106083*	*0*	*0*	*0*	*0*	*0.893917*	*Palearctic*
Eptesicus_tatei	*0*	*0*	*0*	*0.994282*	*0*	*0*	*0*	*0*	*0.005718*	*Indo-Malay*
Equus_africanus	*0.918801*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.081199*	*Afrotropic*
Equus_ferus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Equus_grevyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Equus_hemionus	*0.007056*	*0*	*0*	*0.07674*	*0*	*0*	*0*	*0*	*0.916204*	*Palearctic*
Equus_kiang	*0*	*0*	*0*	*0.000548*	*0*	*0*	*0*	*0*	*0.999452*	*Palearctic*
Equus_quagga	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Equus_zebra	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eremitalpa_granti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eremodipus_lichtensteini	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Eremoryzomys_polius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Erethizon_dorsatum	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Erignathus_barbatus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Erinaceus_amurensis	*0*	*0*	*0*	*0.079098*	*0*	*0*	*0*	*0*	*0.920902*	*Palearctic*
Erinaceus_concolor	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Erinaceus_europaeus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Erinaceus_roumanicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Eropeplus_canus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Erophylla_bombifrons	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Erophylla_sezekorni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Erythrocebus_patas	*0.983273*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.016727*	*Afrotropic*
Eschrichtius_robustus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Eubalaena_australis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Eubalaena_glacialis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Eubalaena_japonica	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Euchoreutes_naso	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Euderma_maculatum	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Eudiscopus_denticulus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Eudorcas_albonotata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eudorcas_rufifrons	*0.999923*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*7.68E-05*	*Afrotropic*
Eudorcas_thomsonii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eulemur_albifrons	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eulemur_cinereiceps	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eulemur_collaris	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eulemur_coronatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eulemur_flavifrons	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eulemur_fulvus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eulemur_macaco	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eulemur_mongoz	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eulemur_rubriventer	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eulemur_rufifrons	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eulemur_rufus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eulemur_sanfordi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eumetopias_jubatus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Eumops_auripendulus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eumops_bonariensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Eumops_dabbenei	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eumops_floridanus	*0*	*0*	*0*	*0*	*0*	*0.280647*	*0.719353*	*0*	*0*	*Neotropic*
Eumops_glaucinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eumops_hansae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eumops_maurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eumops_patagonicus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eumops_perotis	*0*	*0*	*0*	*0*	*0*	*0.125696*	*0.874304*	*0*	*0*	*Neotropic*
Eumops_trumbulli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eumops_underwoodi	*0*	*0*	*0*	*0*	*0*	*0.215267*	*0.784733*	*0*	*0*	*Neotropic*
Euneomys_chinchilloides	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Euneomys_fossor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Euneomys_mordax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Euneomys_petersoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Euoticus_elegantulus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Euoticus_pallidus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Eupetaurus_cinereus	*0*	*0*	*0*	*0.096723*	*0*	*0*	*0*	*0*	*0.903277*	*Palearctic*
Euphractus_sexcinctus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Eupleres_goudotii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Euroscaptor_grandis	*0*	*0*	*0*	*0.313968*	*0*	*0*	*0*	*0*	*0.686032*	*Palearctic*
Euroscaptor_klossi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Euroscaptor_longirostris	*0*	*0*	*0*	*0.478915*	*0*	*0*	*0*	*0*	*0.521085*	*Palearctic*
Euroscaptor_micrura	*0*	*0*	*0*	*0.968677*	*0*	*0*	*0*	*0*	*0.031323*	*Indo-Malay*
Euroscaptor_mizura	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Euroscaptor_parvidens	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Euryoryzomys_emmonsae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Euryoryzomys_lamia	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Euryoryzomys_legatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Euryoryzomys_macconnelli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Euryoryzomys_nitidus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Euryoryzomys_russatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Euryzygomatomys_spinosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Exilisciurus_concinnus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Exilisciurus_exilis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Exilisciurus_whiteheadi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Falsistrellus_affinis	*0*	*0*	*0*	*0.695577*	*0*	*0*	*0*	*0*	*0.304423*	*Palearctic*
Falsistrellus_mackenziei	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Falsistrellus_mordax	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Falsistrellus_petersi	*0*	*0*	*0.5184*	*0.4816*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Falsistrellus_tasmaniensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Felis_chaus	*0*	*0*	*0*	*0.622635*	*NA*	*0*	*0*	*0*	*0.377365*	*Indo-Malay*
Felis_margarita	*0.07395*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.92605*	*Palearctic*
Felis_nigripes	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Felis_silvestris	*0.548821*	*0*	*0*	*0.028191*	*NA*	*0*	*0*	*0*	*0.422988*	*Afrotropic*
Felovia_vae	*0.924709*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.075291*	*Afrotropic*
Feresa_attenuata	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Feroculus_feroculus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Fossa_fossana	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Fukomys_anselli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Fukomys_bocagei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Fukomys_damarensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Fukomys_darlingi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Fukomys_foxi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Fukomys_kafuensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Fukomys_mechowi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Fukomys_ochraceocinereus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Fukomys_zechi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Funambulus_layardi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Funambulus_palmarum	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Funambulus_pennantii	*0*	*0*	*0*	*0.908516*	*0*	*0*	*0*	*0*	*0.091484*	*Indo-Malay*
Funambulus_sublineatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Funambulus_tristriatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Funisciurus_anerythrus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Funisciurus_bayonii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Funisciurus_carruthersi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Funisciurus_congicus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Funisciurus_duchaillui	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Funisciurus_isabella	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Funisciurus_lemniscatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Funisciurus_leucogenys	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Funisciurus_pyrropus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Funisciurus_substriatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Furipterus_horrens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Galago_gallarum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galago_matschiei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galago_moholi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galago_senegalensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galagoides_cocos	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galagoides_demidovii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galagoides_granti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galagoides_nyasae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galagoides_orinus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galagoides_rondoensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galagoides_thomasi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galagoides_zanzibaricus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galea_flavidens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Galea_monasteriensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Galea_musteloides	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Galea_spixii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Galemys_pyrenaicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Galenomys_garleppi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Galeopterus_variegatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Galictis_cuja	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Galictis_vittata	*0*	*0*	*0*	*0*	*0*	*7.42 E-06*	*0.99 9993*	*0*	*0*	*Neotropic*
Galidia_elegans	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galidictis_fasciata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Galidictis_grandidieri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gazella_bennettii	*0*	*0*	*0*	*0.56 1632*	*0*	*0*	*0*	*0*	*0.43 8368*	*Indo-Malay*
Gazella_cuvieri	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gazella_dorcas	*0.16 2984*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.83 7016*	*Palearctic*
Gazella_gazella	*0.64 6093*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.35 3907*	*Afrotropic*
Gazella_leptoceros	*0.00 2296*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.99 7704*	*Palearctic*
Gazella_spekei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gazella_subgutturosa	*0.01 1054*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.98 8946*	*Palearctic*

Genetta_abyssinica	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Genetta_angolensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Genetta_bourloni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Genetta_cristata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Genetta_genetta	*0.803241*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.196759*	*Afrotropic*
Genetta_johnstoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Genetta_maculata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Genetta_pardina	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Genetta_piscivora	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Genetta_poensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Genetta_servalina	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Genetta_thierryi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Genetta_tigrina	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Genetta_victoriae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Geocapromys_brownii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Geocapromys_ingrahami	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Geogale_aurita	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Geomys_arenarius	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Geomys_attwateri	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Geomys_breviceps	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Geomys_bursarius	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Geomys_knoxjonesi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Geomys_personatus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Geomys_pinetis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Geomys_texensis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Geomys_tropicalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Georychus_capensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Geoxus_valdivianus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Gerbilliscus_afra	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbilliscus_boehmi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbilliscus_brantsii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbilliscus_gambiana	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbilliscus_guineae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbilliscus_inclusus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbilliscus_kempi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbilliscus_leucogaster	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Gerbilliscus_nigricaudus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbilliscus_phillipsi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbilliscus_robustus	*0.993222*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.006778*	*Afrotropic*
Gerbilliscus_validus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillurus_paeba	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillurus_setzeri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillurus_tytonis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillurus_vallinus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_acticola	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_amoenus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_andersoni	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_aquilus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_bottai	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_brockmani	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_campestris	*0.033936*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.966064*	*Palearctic*
Gerbillus_cheesmani	*0.098209*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.901791*	*Palearctic*
Gerbillus_cosensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_dasyurus	*0.209863*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.790137*	*Palearctic*

Gerbillus_dunni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_famulus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_floweri	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_gerbillus	*0.12462*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.87538*	*Palearctic*
Gerbillus_gleadowi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Gerbillus_grobbeni	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_harwoodi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_henleyi	*0.37782*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.62218*	*Palearctic*
Gerbillus_hesperinus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_hoogstraali	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_jamesi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_juliani	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_latastei	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_lowei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_mackillingini	*0.173687*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.826313*	*Palearctic*
Gerbillus_maghrebi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_mesopotamiae	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_muricullus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Gerbillus_nancillus	*0.938803*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.061197*	*Afrotropic*
Gerbillus_nanus	*0.138534*	*0*	*0*	*0.06664*	*0*	*0*	*0*	*0*	*0.794826*	*Palearctic*
Gerbillus_nigeriae	*0.291426*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.708574*	*Palearctic*
Gerbillus_occiduus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_percivali	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_perpallidus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_poecilops	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_principulus	*0.964375*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.035625*	*Afrotropic*
Gerbillus_pulvinatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_pusillus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_pyramidum	*0.338707*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.661293*	*Palearctic*
Gerbillus_rosalinda	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_rupicola	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_simoni	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Gerbillus_somalicus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_stigmonyx	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gerbillus_tarabuli	*0.151426*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.848574*	*Palearctic*
Gerbillus_watersi	*0.403656*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.596344*	*Palearctic*

Giraffa_camelopardalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Glaucomys_sabrinus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Glaucomys_volans	*0*	*0*	*0*	*0*	*0*	*0.945906*	*0.054094*	*0*	*0*	*Nearctic*
Glauconycteris_alboguttata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Glauconycteris_argentata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Glauconycteris_beatrix	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Glauconycteris_curryae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Glauconycteris_egeria	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Glauconycteris_gleni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Glauconycteris_humeralis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Glauconycteris_kenyacola	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Glauconycteris_machadoi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Glauconycteris_poensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Glauconycteris_superba	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Glauconycteris_variegata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Glironia_venusta	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Glirulus_japonicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Glis_glis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Glischropus_javanus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Glischropus_tylopus	*0*	*0*	*0.000743*	*0.999257*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Globicephala_macrorhynchus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Globicephala_melas	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Glossophaga_commissarisi	*0*	*0*	*0*	*0*	*0*	*0.007817*	*0.992183*	*0*	*0*	*Neotropic*
Glossophaga_leachii	*0*	*0*	*0*	*0*	*0*	*0.006285*	*0.993715*	*0*	*0*	*Neotropic*
Glossophaga_longirostris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Glossophaga_morenoi	*0*	*0*	*0*	*0*	*0*	*0.013418*	*0.986582*	*0*	*0*	*Neotropic*
Glossophaga_soricina	*0*	*0*	*0*	*0*	*0*	*0.017981*	*0.982019*	*0*	*0*	*Neotropic*
Glyphonycteris_behnii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Glyphonycteris_daviesi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Glyphonycteris_sylvestris	*0*	*0*	*0*	*0*	*0*	*0.001948*	*0.998052*	*0*	*0*	*Neotropic*
Glyphotes_simus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Golunda_ellioti	*0*	*0*	*0*	*0.977075*	*0*	*0*	*0*	*0*	*0.022925*	*Indo-Malay*
Gorilla_beringei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gorilla_gorilla	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gracilinanus_aceramarcae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Gracilinanus_agilis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Gracilinanus_dryas	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Gracilinanus_emiliae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Gracilinanus_marica	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Gracilinanus_microtarsus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Grammomys_aridulus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Grammomys_buntingi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Grammomys_caniceps	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Grammomys_cometes	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Grammomys_dolichurus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Grammomys_dryas	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Grammomys_gigas	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Grammomys_ibeanus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Grammomys_kuru	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Grammomys_macmillani	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Grammomys_minnae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Grampus_griseus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Graomys_centralis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Graomys_domorum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Graomys_edithae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Graomys_griseoflavus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Graphiurus_angolensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Graphiurus_christyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Graphiurus_crassicaudatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Graphiurus_johnstoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Graphiurus_kelleni	*0.997997*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.002003*	*Afrotropic*
Graphiurus_lorraineus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Graphiurus_microtis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Graphiurus_monardi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Graphiurus_murinus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Graphiurus_nagtglasii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Graphiurus_ocularis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Graphiurus_platyops	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Graphiurus_rupicola	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Graphiurus_surdus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Gulo_gulo	*0*	*0*	*0*	*0*	*0*	*0.343538*	*0*	*0*	*0.656462*	*Palearctic*

Gymnobelideus_leadbeateri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Gymnuromys_roberti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Habromys_chinanteco	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Habromys_delicatulus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Habromys_ixtlani	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Habromys_lepturus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Habromys_lophurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Habromys_schmidlyi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Habromys_simulatus	*0*	*0*	*0*	*0*	*0*	*0.416126*	*0.583874*	*0*	*0*	*Neotropic*
Hadromys_humei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hadromys_yunnanensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Haeromys_margarettae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Haeromys_minahassae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Haeromys_pusillus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Halichoerus_grypus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Handleyomys_alfaroi	*0*	*0*	*0*	*0*	*0*	*0.022201*	*0.977799*	*0*	*0*	*Neotropic*
Handleyomys_chapmani	*0*	*0*	*0*	*0*	*0*	*0.357984*	*0.642016*	*0*	*0*	*Neotropic*

Handleyomys_fuscatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Handleyomys_intectus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Handleyomys_melanotis	*0*	*0*	*0*	*0*	*0*	*0.066446*	*0.933554*	*0*	*0*	*Neotropic*
Handleyomys_rhabdops	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Handleyomys_rostratus	*0*	*0*	*0*	*0*	*0*	*0.032003*	*0.967997*	*0*	*0*	*Neotropic*
Handleyomys_saturatior	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Hapalemur_alaotrensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hapalemur_aureus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hapalemur_griseus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hapalemur_meridionalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hapalemur_occidentalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hapalomys_delacouri	*0*	*0*	*0*	*0.917758*	*0*	*0*	*0*	*0*	*0.082242*	*Indo-Malay*
Hapalomys_longicaudatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Haplonycteris_fischeri	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Harpiocephalus_harpia	*0*	*0*	*0.005807*	*0.988147*	*0*	*0*	*0*	*0*	*0.006046*	*Indo-Malay*
Harpiocephalus_mordax	*0*	*0*	*0*	*0.978965*	*0*	*0*	*0*	*0*	*0.021035*	*Indo-Malay*

Harpiola_grisea	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Harpiola_isodon	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Harpyionycteris_celebensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Harpyionycteris_whiteheadi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Heimyscus_fumosus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Helarctos_malayanus	*0*	*0*	*0*	*0.957626*	*0*	*0*	*0*	*0*	*0.042374*	*Indo-Malay*
Heliophobius_argenteocinereus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Heliosciurus_gambianus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Heliosciurus_mutabilis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Heliosciurus_punctatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Heliosciurus_rufobrachium	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Heliosciurus_ruwenzorii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Heliosciurus_undulatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Helogale_hirtula	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Helogale_parvula	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hemibelideus_lemuroides	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hemicentetes_nigriceps	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Hemicentetes_semispinosus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hemiechinus_auritus	*0*	*0*	*0*	*0.000288*	*0*	*0*	*0*	*0*	*0.999712*	*Palearctic*
Hemiechinus_collaris	*0*	*0*	*0*	*0.979486*	*0*	*0*	*0*	*0*	*0.020514*	*Indo-Malay*
Hemigalus_derbyanus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hemitragus_jemlahicus	*0*	*0*	*0*	*0.446337*	*0*	*0*	*0*	*0*	*0.553663*	*Palearctic*
Herpestes_brachyurus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Herpestes_edwardsii	*0*	*0*	*0*	*0.92653*	*0*	*0*	*0*	*0*	*0.07347*	*Indo-Malay*
Herpestes_flavescens	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Herpestes_fuscus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Herpestes_ichneumon	*0.895011*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.104989*	*Afrotropic*
Herpestes_javanicus	*0.000279*	*0*	*0*	*0.656827*	*0*	*0*	*0*	*0*	*0.342894*	*Indo-Malay*
Herpestes_naso	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Herpestes_ochraceus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Herpestes_pulverulentus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Herpestes_sanguineus	*0.998252*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.001748*	*Afrotropic*
Herpestes_semitorquatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Herpestes_smithii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Herpestes_urva	*0*	*0*	*0*	*0.759795*	*0*	*0*	*0*	*0*	*0.240205*	*Indo-Malay*
Herpestes_vitticollis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hesperoptenus_blanfordi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hesperoptenus_doriae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hesperoptenus_gaskelli	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hesperoptenus_tickelli	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hesperoptenus_tomesi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Heterocephalus_glaber	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Heterohyrax_brucei	*0.990436*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.009564*	*Afrotropic*
Heteromys_anomalus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Heteromys_australis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Heteromys_desmarestianus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Heteromys_gaumeri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Heteromys_nelsoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Heteromys_oasicus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Heteromys_orestes *us*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotr* *opic*
Heteromys_teleus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotr* *opic*
Hippocamelus_ant *isensis*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotr* *opic*
Hippocamelus_bis *ulcus*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotr* *opic*
Hippopotamus_am *phibius*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotr* *opic*
Hipposideros_aba *e*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotr* *opic*
Hipposideros_arm *iger*	*0*	*0*	*0*	*0.73* *3345*	*0*	*0*	*0*	*0*	*0.26* *6655*	*Indo-* *Mala* *y*
Hipposideros_ater	*0*	*0*	*0.438* *746*	*0.56* *1254*	*0*	*0*	*0*	*0*	*0*	*Indo-* *Mala* *y*
Hipposideros_beat *us*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotr* *opic*
Hipposideros_bico *lor*	*0*	*0*	*0.043* *966*	*0.95* *6034*	*0*	*0*	*0*	*0*	*0*	*Indo-* *Mala* *y*
Hipposideros_boe *adii*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Austr* *alasia*
Hipposideros_brev *iceps*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-* *Mala* *y*
Hipposideros_caff *er*	*0.98* *7612*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.01* *2388*	*Afrotr* *opic*
Hipposideros_calc *aratus*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Austr* *alasia*
Hipposideros_cam *erunensis*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotr* *opic*
Hipposideros_cerv *inus*	*0*	*0*	*0.322* *187*	*0.67* *7813*	*0*	*0*	*0*	*0*	*0*	*Indo-* *Mala* *y*

Hipposideros_cineraceus	*0*	*0*	*0*	*0.977996*	*0*	*0*	*0*	*0*	*0.022004*	*Indo-Malay*
Hipposideros_commersoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hipposideros_coronatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_corynophyllus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_coxi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_crumeniferus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_curtus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hipposideros_cyclops	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hipposideros_demissus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_diadema	*0*	*0*	*0.274877*	*0.725123*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_dinops	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_doriae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_durgadasi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_dyacorum	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_edwardshilli	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_fuliginosus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Hipposideros_fulvus	*0*	*0*	*0*	*0.96607*	*0*	*0*	*0*	*0*	*0.03393*	*Indo-Malay*
Hipposideros_galeritus	*0*	*0*	*0.000233*	*0.999767*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_gigas	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hipposideros_grandis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_halophyllus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_hypophyllus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_inexpectatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_inornatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_jonesi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hipposideros_khaokhouayensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_lamottei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hipposideros_lankadiva	*0*	*0*	*0*	*0.999495*	*0*	*0*	*0*	*0*	*0.000505*	*Indo-Malay*
Hipposideros_larvatus	*0*	*0*	*0*	*0.989889*	*0*	*0*	*0*	*0*	*0.010111*	*Indo-Malay*
Hipposideros_lekaguli	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Hipposideros_lylei	*0*	*0*	*0*	*0.998677*	*0*	*0*	*0*	*0*	*0.001323*	*Indo-Malay*
Hipposideros_macrobullatus	*0*	*0*	*0.969112*	*0.030888*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_madurae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_maggietaylorae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_marisae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hipposideros_megalotis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hipposideros_muscinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_nequam	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_obscurus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_orbiculus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_papua	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_pelingensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_pomona	*0*	*0*	*0*	*0.907902*	*0*	*0*	*0*	*0*	*0.092098*	*Indo-Malay*
Hipposideros_pratti	*0*	*0*	*0*	*0.430819*	*0*	*0*	*0*	*0*	*0.569181*	*Palearctic*
Hipposideros_pygmaeus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Hipposideros_ridleyi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_rotalis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_ruber	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hipposideros_scutinares	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_semoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_sorenseni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_speoris	*0*	*0*	*0*	*0.999972*	*0*	*0*	*0*	*0*	*2.83E-05*	*Indo-Malay*
Hipposideros_stenotis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_sumbae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hipposideros_thomensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hipposideros_turpis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hipposideros_vittatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hipposideros_wollastoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hippotragus_equinus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hippotragus_niger	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Histiotus_alienus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Histiotus_humboldti	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Histiotus_laephotis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Histiotus_macrotus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Histiotus_magellanicus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Histiotus_montanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Histiotus_velatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Histriophoca_fasciata	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Hodomys_alleni	*0*	*0*	*0*	*0*	*0*	*0.032262*	*0.967738*	*0*	*0*	*Neotropic*
Holochilus_brasiliensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Holochilus_chacarius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Holochilus_sciureus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Hoolock_hoolock	*0*	*0*	*0*	*0.975897*	*0*	*0*	*0*	*0*	*0.024103*	*Indo-Malay*
Hoolock_leuconedys	*0*	*0*	*0*	*0.96204*	*0*	*0*	*0*	*0*	*0.03796*	*Indo-Malay*
Hoplomys_gymnurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Hyaena_brunnea	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hyaena_hyaena	*0.29625*	*0*	*0*	*0.10928*	*0*	*0*	*0*	*0*	*0.59447*	*Palearctic*
Hybomys_badius	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hybomys_basilii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Hybomys_lunaris	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hybomys_planifrons	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hybomys_trivirgatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hybomys_univittatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hydrochoerus_hydrochaeris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Hydrochoerus_isthmius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Hydromys_chrysogaster	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hydromys_hussoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hydromys_neobritannicus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hydromys_ziegleri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hydropotes_inermis	*0*	*0*	*0*	*0.079853*	*0*	*0*	*0*	*0*	*0.920147*	*Palearctic*
Hydrurga_leptonyx	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Hyemoschus_aquaticus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hyladelphys_kalinowskii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Hylaeamys_acritus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Hylaeamys_laticeps	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Hylaeamys_megacephalus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Hylaeamys_oniscus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Hylaeamys_perenensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Hylaeamys_tatei	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Hylaeamys_yunganus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Hylobates_agilis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylobates_albibarbis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylobates_klossii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylobates_lar	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylobates_moloch	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylobates_muelleri	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylobates_pileatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylochoerus_meinertzhageni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hylomys_megalotis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylomys_parvus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylomys_suillus	*0*	*0*	*0*	*0.993861*	*0*	*0*	*0*	*0*	*0.006139*	*Indo-Malay*

Hylomyscus_aeta	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hylomyscus_alleni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hylomyscus_baeri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hylomyscus_carillus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hylomyscus_denniae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hylomyscus_grandis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hylomyscus_parvus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hylomyscus_stella	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hylonycteris_underwoodi	*0*	*0*	*0*	*0*	*0*	*0.002256*	*0.997744*	*0*	*0*	*Neotropic*
Hylopetes_albiniger	*0*	*0*	*0*	*0.64009*	*0*	*0*	*0*	*0*	*0.35991*	*Indo-Malay*
Hylopetes_bartelsi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylopetes_lepidus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylopetes_nigripes	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylopetes_phayrei	*0*	*0*	*0*	*0.988219*	*0*	*0*	*0*	*0*	*0.011781*	*Indo-Malay*
Hylopetes_platyurus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylopetes_sipora	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Hylopetes_spadiceus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hylopetes_winstoni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hyomys_dammermani	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hyomys_goliath	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hyosciurus_heinrichi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hyosciurus_ileile	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hyperacrius_fertilis	*0*	*0*	*0*	*0.456224*	*0*	*0*	*0*	*0*	*0.543776*	*Palearctic*
Hyperacrius_wynnei	*0*	*0*	*0*	*0.953228*	*0*	*0*	*0*	*0*	*0.046772*	*Indo-Malay*
Hyperoodon_ampullatus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Hyperoodon_planifrons	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Hypogeomys_antimena	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hypsignathus_monstrosus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hypsiprymnodon_moschatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Hystrix_africaeaustralis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Hystrix_brachyura	*0*	*0*	*0*	*0.73077*	*0*	*0*	*0*	*0*	*0.26923*	*Indo-Malay*
Hystrix_crassispinis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Hystrix_cristata	*0.854848*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.145152*	*Afrotropic*
Hystrix_indica	*0.007578*	*0*	*0*	*0.366988*	*0*	*0*	*0*	*0*	*0.625435*	*Palearctic*
Hystrix_javanica	*0*	*0*	*0.195495*	*0.804505*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hystrix_pumila	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Hystrix_sumatrae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Ia_io	*0*	*0*	*0*	*0.512983*	*0*	*0*	*0*	*0*	*0.487017*	*Indo-Malay*
Ichneumia_albicauda	*0.96713*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.03287*	*Afrotropic*
Ichthyomys_hydrobates	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ichthyomys_pittieri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ichthyomys_stolzmanni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ichthyomys_tweedii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ictonyx_libyca	*0.537705*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.462295*	*Afrotropic*
Ictonyx_striatus	*0.992236*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.007764*	*Afrotropic*
Idionycteris_phyllotis	*0*	*0*	*0*	*0*	*0*	*0.814094*	*0.185906*	*0*	*0*	*Nearctic*
Idiurus_macrotis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Idiurus_zenkeri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Indopacetus_pacificus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*

Indri_indri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Inia_geoffrensis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Iomys_horsfieldii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Iomys_sipora	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Irenomys_tarsalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Isoodon_auratus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Isoodon_macrourus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Isoodon_obesulus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Isothrix_barbarabrownae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Isothrix_bistriata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Isothrix_negrensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Isothrix_pagurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Isothrix_sinnamariensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Isthmomys_flavidus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Isthmomys_pirrensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Jaculus_blanfordi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Jaculus_jaculus	*0.124637*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.875363*	*Palearctic*
Jaculus_orientalis	*0*	*0*	*0*	*0*	*NA*	*0*	*0*	*0*	*1*	*Palearctic*

Juliomys_pictipes	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Juliomys_rimofrons	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Juscelinomys_guaporensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Juscelinomys_huanchacae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Kadarsanomys_sodyi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Kannabateomys_amblyonyx	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Kerivoula_africana	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Kerivoula_agnella	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Kerivoula_argentata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Kerivoula_cuprosa	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Kerivoula_eriophora	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Kerivoula_flora	*0*	*0*	*0.832591*	*0.167409*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Kerivoula_hardwickii	*0*	*0*	*0.04463*	*0.945404*	*0*	*0*	*0*	*0*	*0.009966*	*Indo-Malay*
Kerivoula_intermedia	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Kerivoula_kachinensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Kerivoula_krauensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Kerivoula_lanosa	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Kerivoula_lenis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Kerivoula_minuta	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Kerivoula_muscina	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Kerivoula_myrella	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Kerivoula_papillosa	*0*	*0*	*0.029469*	*0.970531*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Kerivoula_pellucida	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Kerivoula_phalaena	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Kerivoula_picta	*0*	*0*	*0.007734*	*0.99103*	*0*	*0*	*0*	*0*	*0.001236*	*Indo-Malay*
Kerivoula_smithii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Kerivoula_titania	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Kerivoula_whiteheadi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Kerodon_acrobata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Kerodon_rupestris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Kobus_ellipsiprymnus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Kobus_kob	*1*	*0*	*0*	*0*	*NA*	*0*	*0*	*0*	*0*	*Afrotropic*

Kobus_leche	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Kobus_megaceros	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Kobus_vardonii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Kogia_breviceps	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Kogia_sima	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Komodomys_rintjanus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Kunsia_fronto	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Kunsia_tomentosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Laephotis_angolensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Laephotis_botswanae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Laephotis_namibensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Laephotis_wintoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lagenodelphis_hosei	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Lagenorhynchus_acutus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Lagenorhynchus_albirostris	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Lagenorhynchus_australis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Lagenorhynchus_cruciger	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Lagenorhynchus_obliquidens	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*

Lagenorhynchus_obscurus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Lagidium_peruanum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lagidium_viscacia	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lagidium_wolffsohni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lagorchestes_conspicillatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Lagorchestes_hirsutus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Lagostomus_maximus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lagostrophus_fasciatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Lagothrix_cana	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lagothrix_lagotricha	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lagothrix_lugens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lagothrix_poeppigii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lagurus_lagurus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lama_guanicoe	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lamottemys_okuensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lampronycteris_brachyotis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Laonastes_aenigmamus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Lariscus_hosei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Lariscus_insignis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Lariscus_niobe	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Lariscus_obscurus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Lasionycteris_noctivagans	*0*	*0*	*0*	*0*	*0*	*0.999944*	*5.63E-05*	*0*	*0*	*Nearctic*
Lasiopodomys_brandtii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lasiopodomys_fuscus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lasiopodomys_mandarinus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lasiorhinus_krefftii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Lasiorhinus_latifrons	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Lasiurus_atratus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lasiurus_blossevillii	*0*	*0*	*0*	*0*	*0*	*0.22005*	*0.77995*	*0*	*0*	*Neotropic*
Lasiurus_borealis	*0*	*0*	*0*	*0*	*0*	*0.995233*	*0.004767*	*0*	*0*	*Nearctic*
Lasiurus_castaneus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lasiurus_cinereus	*0*	*0*	*0*	*0*	*0*	*0.722402*	*0.276996*	*0.000602*	*0*	*Nearctic*
Lasiurus_degelidus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lasiurus_ebenus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lasiurus_ega	*0*	*0*	*0*	*0*	*0*	*0.004918*	*0.995082*	*0*	*0*	*Neotropic*

Lasiurus_egregius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lasiurus_insularis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lasiurus_intermedius	*0*	*0*	*0*	*0*	*0*	*0.502641*	*0.497359*	*0*	*0*	*Nearctic*
Lasiurus_minor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lasiurus_pfeifferi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lasiurus_seminolus	*0*	*0*	*0*	*0*	*0*	*0.98384*	*0.01616*	*0*	*0*	*Nearctic*
Lasiurus_varius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lasiurus_xanthinus	*0*	*0*	*0*	*0*	*0*	*0.8193*	*0.1807*	*0*	*0*	*Nearctic*
Latidens_salimalii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Lavia_frons	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Leggadina_forresti	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Leggadina_lakedownensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Leimacomys_buettneri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lemmiscus_curtatus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Lemmus_amurensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lemmus_lemmus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lemmus_portenkoi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lemmus_sibiricus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Lemmus_trimucronatus	*0*	*0*	*0*	*0*	*0*	*0.840681*	*0*	*0*	*0.159319*	*Nearctic*
Lemniscomys_barbarus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lemniscomys_bellieri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lemniscomys_griselda	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lemniscomys_hoogstraali	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lemniscomys_linulus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lemniscomys_maculus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lemniscomys_mittendorfi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lemniscomys_rosalia	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lemniscomys_roseveari	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lemniscomys_striatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lemniscomys_zebra	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lemur_catta	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lenomys_meyeri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Lenothrix_canus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Lenoxus_apicalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Leontopithecus_caissara	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Leontopithecus_chrysomelas	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Leontopithecus_chrysopygus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Leontopithecus_rosalia	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Leopardus_colocolo	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Leopardus_geoffroyi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Leopardus_guigna	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Leopardus_jacobita	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Leopardus_pardalis	*0*	*0*	*0*	*0*	*0*	*0.003166*	*0.996834*	*0*	*0*	*Neotropic*
Leopardus_tigrinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Leopardus_wiedii	*0*	*0*	*0*	*0*	*0*	*0.003838*	*0.996162*	*0*	*0*	*Neotropic*
Leopoldamys_ciliatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Leopoldamys_edwardsi	*0*	*0*	*0*	*0.651888*	*0*	*0*	*0*	*0*	*0.348112*	*Indo-Malay*
Leopoldamys_milleti	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Leopoldamys_neilli	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Leopoldamys_sabanus	*0*	*0*	*0*	*0.999545*	*0*	*0*	*0*	*0*	*0.000455*	*Indo-Malay*
Leopoldamys_siporanus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Lepilemur_aeeclis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Lepilemur_ahmansonorum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_ankaranensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_betsileo	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_dorsalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_edwardsi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_fleuretae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_grewcockorum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_hubbardorum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_jamesorum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_leucopus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_microdon	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_milanoii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_mittermeieri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_musteli nus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_otto	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_petteri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_randrianasoloi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_ruficaudatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Lepilemur_sahamalazensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_seali	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_septentrionalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_tymerlachsonorum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepilemur_wrightae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Leporillus_apicalis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Leporillus_conditor	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Leptailurus_serval	*0.999043*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.000957*	*Afrotropic*
Leptomys_elegans	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Leptomys_ernstmayri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Leptomys_signatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Leptonychotes_weddellii	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Leptonycteris_curasoae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Leptonycteris_nivalis	*0*	*0*	*0*	*0*	*0*	*0.469153*	*0.530847*	*0*	*0*	*Neotropic*
Leptonycteris_yerbabuenae	*0*	*0*	*0*	*0*	*0*	*0.472547*	*0.527453*	*0*	*0*	*Neotropic*
Lepus_alleni	*0*	*0*	*0*	*0*	*0*	*0.796867*	*0.203133*	*0*	*0*	*Nearctic*
Lepus_americanus	*0*	*0*	*0*	*0*	*NA*	*1*	*0*	*0*	*0*	*Nearctic*
Lepus_arcticus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Lepus_brachyurus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lepus_californicus	*0*	*0*	*0*	*0*	*0*	*0.990403*	*0.009597*	*0*	*0*	*Nearctic*
Lepus_callotis	*0*	*0*	*0*	*0*	*0*	*0.461754*	*0.538246*	*0*	*0*	*Neotropic*
Lepus_capensis	*0.485383*	*0*	*0*	*0.007292*	*0*	*0*	*0*	*0*	*0.507325*	*Palearctic*
Lepus_castroviejoi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lepus_comus	*0*	*0*	*0*	*0.261497*	*0*	*0*	*0*	*0*	*0.738503*	*Palearctic*
Lepus_coreanus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lepus_corsicanus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lepus_europaeus	*0.000249*	*0*	*0.068444*	*0*	*0*	*0.011387*	*0.157389*	*0*	*0.762532*	*Palearctic*
Lepus_fagani	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepus_flavigularis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lepus_granatensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lepus_habessinicus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepus_hainanus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Lepus_insularis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lepus_mandshuricus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lepus_microtis	*0.984883*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.015117*	*Afrotropic*
Lepus_nigricollis	*0.001138*	*0*	*0*	*0.986199*	*0*	*0*	*0*	*0*	*0.012663*	*Indo-Malay*

Lepus_oiostolus	*0*	*0*	*0*	*0.004746*	*0*	*0*	*0*	*0*	*0.995254*	*Palearctic*
Lepus_othus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Lepus_peguensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Lepus_saxatilis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepus_sinensis	*0*	*0*	*0*	*0.769082*	*0*	*0*	*0*	*0*	*0.230918*	*Indo-Malay*
Lepus_starcki	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lepus_tibetanus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lepus_timidus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lepus_tolai	*0*	*0*	*0*	*0.002995*	*0*	*0*	*0*	*0*	*0.997005*	*Palearctic*
Lepus_townsendii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Lepus_yarkandensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lestodelphys_halli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lestoros_inca	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Liberiictis_kuhni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lichonycteris_obscura	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Limnogale_mergulus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Limnomys_bryophilus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Limnomys_sibuanus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Liomys_adspersus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Liomys_irroratus	*0*	*0*	*0*	*0*	*0*	*0.522592*	*0.477408*	*0*	*0*	*Nearctic*
Liomys_pictus	*0*	*0*	*0*	*0*	*0*	*0.220147*	*0.779853*	*0*	*0*	*Neotropic*
Liomys_salvini	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Liomys_spectabilis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lionycteris_spurrelli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lipotes_vexillifer	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Lissodelphis_borealis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Lissodelphis_peronii	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Lissonycteris_angolensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Litocranius_walleri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lobodon_carcinophaga	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Lonchophylla_bokermanni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchophylla_chocoana	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchophylla_concava	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchophylla_dekeyseri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchophylla_handleyi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Lonchophylla_hesperia	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchophylla_mordax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchophylla_orcesi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchophylla_robusta	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchophylla_thomasi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchorhina_aurita	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchorhina_fernandezi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchorhina_inusitata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchorhina_marinkellei	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchorhina_orinocensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lonchothrix_emiliae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lontra_canadensis	*0*	*0*	*0*	*0*	*NA*	*0.998861*	*0.001139*	*0*	*0*	*Nearctic*
Lontra_felina	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lontra_longicaudis	*0*	*0*	*0*	*0*	*0*	*0.005473*	*0.994527*	*0*	*0*	*Neotropic*
Lontra_provocax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lophiomys_imhausi	*0.990501*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.009499*	*Afrotropic*
Lophocebus_albigena	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophocebus_aterrimus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Lophostoma_aequatorialis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lophostoma_brasiliense	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lophostoma_carrikeri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lophostoma_evotis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lophostoma_schulzi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lophostoma_silvicolum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lophostoma_yasuni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lophuromys_brevicaudus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophuromys_chrysopus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophuromys_cinereus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophuromys_dieterleni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophuromys_eisentrauti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophuromys_flavopunctatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophuromys_huttereri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophuromys_luteogaster	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophuromys_medicaudatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophuromys_melanonyx	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophuromys_nudicaudus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Lophuromys_rahmi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophuromys_roseveari	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophuromys_sikapusi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lophuromys_woosnami	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lorentzimys_nouhuysi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Loris_lydekkerianus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Loris_tardigradus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Loxodonta_africana	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Loxodontomys_micropus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Loxodontomys_pikumche	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lundomys_molitor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lutra_lutra	*0*	*0*	*0*	*0.076132*	*0*	*0*	*0*	*0*	*0.923868*	*Palearctic*
Lutra_maculicollis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Lutra_sumatrana	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Lutreolina_crassicaudata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lutrogale_perspicillata	*0*	*0*	*0*	*0.995251*	*0*	*0*	*0*	*0*	*0.004749*	*Indo-Malay*
Lycaon_pictus	*0.972275*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.027725*	*Afrotropic*

Lyncodon_patagonicus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Lynx_canadensis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Lynx_lynx	*0*	*0*	*0*	*0.003588*	*0*	*0*	*0*	*0*	*0.996412*	*Palearctic*
Lynx_pardinus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Lynx_rufus	*0*	*0*	*0*	*0*	*NA*	*0.971501*	*0.028499*	*0*	*0*	*Nearctic*
Macaca_arctoides	*0*	*0*	*0*	*0.863289*	*0*	*0*	*0*	*0*	*0.136711*	*Indo-Malay*
Macaca_assamensis	*0*	*0*	*0*	*0.730754*	*0*	*0*	*0*	*0*	*0.269246*	*Indo-Malay*
Macaca_cyclopis	*0*	*0*	*0*	*0.906282*	*0*	*0*	*0*	*0*	*0.093718*	*Indo-Malay*
Macaca_fascicularis	*0*	*0*	*0.026637*	*0.973363*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Macaca_fuscata	*0*	*0*	*0*	*0.005339*	*0*	*0*	*0*	*0*	*0.994661*	*Palearctic*
Macaca_hecki	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macaca_leonina	*0*	*0*	*0*	*0.994513*	*0*	*0*	*0*	*0*	*0.005487*	*Indo-Malay*
Macaca_maura	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macaca_mulatta	*0*	*0*	*0*	*0.662134*	*0*	*0*	*0*	*0*	*0.337866*	*Indo-Malay*
Macaca_munzala	*0*	*0*	*0*	*0.71014*	*0*	*0*	*0*	*0*	*0.28986*	*Indo-Malay*

Macaca_nemestrina	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Macaca_nigra	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macaca_nigrescens	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macaca_ochreata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macaca_pagensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Macaca_radiata	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Macaca_siberu	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Macaca_silenus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Macaca_sinica	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Macaca_sylvanus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Macaca_thibetana	*0*	*0*	*0*	*0.331132*	*0*	*0*	*0*	*0*	*0.668868*	*Palearctic*
Macaca_tonkeana	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macroderma_gigas	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macrogalidia_musschenbroekii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macroglossus_minimus	*0*	*0*	*0.45271*	*0.54729*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Macroglossus_sobrinus	*0*	*0*	*0*	*0.99869*	*0*	*0*	*0*	*0*	*0.00131*	*Indo-Malay*
Macrophyllum_macrophyllum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Macropus_agilis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macropus_antilopinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macropus_bernardus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macropus_dorsalis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macropus_eugenii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macropus_fuliginosus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macropus_giganteus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macropus_irma	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macropus_parma	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macropus_parryi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macropus_robustus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macropus_rufogriseus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macropus_rufus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macroscelides_proboscideus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Macrotarsomys_bastardi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Macrotarsomys_ingens	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Macrotarsomys_petteri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Macrotis_lagotis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macrotus_californicus	*0*	*0*	*0*	*0*	*0*	*0.930555*	*0.069445*	*0*	*0*	*Nearctic*
Macrotus_waterhousii	*0*	*0*	*0*	*0*	*0*	*0.122104*	*0.877896*	*0*	*0*	*Neotropic*
Macruromys_elegans	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Macruromys_major	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Madoqua_guentheri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Madoqua_kirkii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Madoqua_piacentinii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Madoqua_saltiana	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Madromys_blanfordi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Makalata_didelphoides	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Makalata_macrura	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Makalata_rhipidura	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Malacomys_cansdalei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Malacomys_edwardsi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Malacomys_longipes	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Malacothrix_typica	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Mallomys_aroaensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mallomys_gunung	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mallomys_istapantap	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mallomys_rothschildi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mammelomys_lanosus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mammelomys_rattoides	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mandrillus_leucophaeus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mandrillus_sphinx	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Manis_crassicaudata	*0*	*0*	*0*	*0.987777*	*0*	*0*	*0*	*0*	*0.012223*	*Indo-Malay*
Manis_culionensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Manis_javanica	*0*	*0*	*0.00201*	*0.99799*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Manis_pentadactyla	*0*	*0*	*0*	*0.702328*	*0*	*0*	*0*	*0*	*0.297672*	*Indo-Malay*
Margaretamys_beccarii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Margaretamys_elegans	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Margaretamys_parvus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Marmosa_alstoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosa_andersoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Marmosa_constantiae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosa_demerarae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosa_lepida	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosa_mexicana	*0*	*0*	*0*	*0*	*0*	*0.009043*	*0.990957*	*0*	*0*	*Neotropic*
Marmosa_murina	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosa_paraguayanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosa_phaeus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosa_quichua	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosa_regina	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosa_robinsoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosa_rubra	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosa_tyleriana	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosa_xerophila	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_bishopi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_cracens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_creightoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_fuscatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_handleyi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Marmosops_impavidus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_incanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_invictus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_juninensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_neblina	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_noctivagus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_ocellatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_parvidens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_paulensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmosops_pinheiroi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Marmota_baibacina	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Marmota_bobak	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Marmota_broweri	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Marmota_caligata	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Marmota_camtschatica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Marmota_caudata	*0*	*0*	*0*	*0.009442*	*0*	*0*	*0*	*0*	*0.990558*	*Palearctic*
Marmota_flaviventris	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Marmota_himalayana	*0*	*0*	*0*	*0.024935*	*0*	*0*	*0*	*0*	*0.975065*	*Palearctic*

Marmota_marmota	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Marmota_menzbieri	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Marmota_monax	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Marmota_olympus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Marmota_sibirica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Marmota_vancouverensis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Martes_americana	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Martes_flavigula	*0*	*0*	*0*	*0.620118*	*0*	*0*	*0*	*0*	*0.379882*	*Indo-Malay*
Martes_foina	*0*	*0*	*0*	*0.012447*	*NA*	*0*	*0*	*0*	*0.987553*	*Palearctic*
Martes_gwatkinsii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Martes_martes	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Martes_melampus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Martes_pennanti	*0*	*0*	*0*	*0*	*NA*	*1*	*0*	*0*	*0*	*Nearctic*
Martes_zibellina	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Massoutiera_mzabi	*0.030713*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.969287*	*Palearctic*
Mastacomys_fuscus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mastomys_awashensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mastomys_coucha	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Mastomys_erythroleucus	*0.994585*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.005415*	*Afrotropic*
Mastomys_huberti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mastomys_kollmannspergeri	*0.861181*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.138819*	*Afrotropic*
Mastomys_natalensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mastomys_pernanus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mastomys_shortridgei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Maxomys_alticola	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Maxomys_baeodon	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Maxomys_bartelsii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Maxomys_dollmani	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Maxomys_hellwaldii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Maxomys_hylomyoides	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Maxomys_inas	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Maxomys_inflatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Maxomys_moi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Maxomys_musschenbroekii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Maxomys_ochraceiventer	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Maxomys_pagensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Maxomys_panglima	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Maxomys_rajah	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Maxomys_surifer	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Maxomys_wattsi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Maxomys_whiteheadi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mazama_americana	*0*	*0*	*0*	*0*	*NA*	*0*	*1*	*0*	*0*	*Neotropic*
Mazama_bororo	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mazama_bricenii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mazama_chunyi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mazama_gouazoubira	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mazama_nana	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mazama_nemorivaga	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mazama_pandora	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mazama_rufina	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Mazama_temama	*0*	*0*	*0*	*0*	*0*	*0.007482*	*0.992518*	*0*	*0*	*Neotropic*
Megadendromus_nikolausi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Megaderma_lyra	*0*	*0*	*0*	*0.923233*	*0*	*0*	*0*	*0*	*0.076767*	*Indo-Malay*
Megaderma_spasma	*0*	*0*	*0.044768*	*0.955232*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Megadontomys_cryophilus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Megadontomys_nelsoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Megadontomys_thomasi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Megaerops_ecaudatus	*0*	*0*	*0*	*0.994101*	*0*	*0*	*0*	*0*	*0.005899*	*Indo-Malay*
Megaerops_kusnotoi	*0*	*0*	*0.326089*	*0.673911*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Megaerops_niphanae	*0*	*0*	*0*	*0.995443*	*0*	*0*	*0*	*0*	*0.004557*	*Indo-Malay*
Megaerops_wetmorei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Megaloglossus_woermanni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Megaptera_novaeangliae	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Megasorex_gigas	*0*	*0*	*0*	*0*	*0*	*0.018303*	*0.981697*	*0*	*0*	*Neotropic*
Melanomys_caliginosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Melanomys_robustulus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Melanomys_zunigae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Melasmothrix_naso	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Meles_anakuma	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Meles_leucurus	*0*	*0*	*0*	*0.034315*	*0*	*0*	*0*	*0*	*0.965685*	*Palearctic*
Meles_meles	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mellivora_capensis	*0.705604*	*0*	*0*	*0.092926*	*0*	*0*	*0*	*0*	*0.20147*	*Afrotropic*
Melogale_everetti	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Melogale_moschata	*0*	*0*	*0*	*0.54513*	*0*	*0*	*0*	*0*	*0.45487*	*Indo-Malay*
Melogale_orientalis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Melogale_personata	*0*	*0*	*0*	*0.994634*	*0*	*0*	*0*	*0*	*0.005366*	*Indo-Malay*
Melomys_aerosus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_arcium	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_banisteri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_bougainville	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_burtoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_capensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_caurinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Melomys_cervinipes	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_cooperae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_dollmani	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_fraterculus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_frigicola	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_fulgens	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_howi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_leucogaster	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_lutillus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_matambuai	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_obiensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_paveli	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_rufescens	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melomys_talaudium	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melonycteris_fardoulisi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melonycteris_melanops	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melonycteris_woodfordi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Melursus_ursinus	*0*	*0*	*0*	*0.999961*	*0*	*0*	*0*	*0*	*3.92E-05*	*Indo-Malay*

Menetes_berdmorei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mephitis_macroura	*0*	*0*	*0*	*0*	*0*	*0.637948*	*0.362052*	*0*	*0*	*Nearctic*
Mephitis_mephitis	*0*	*0*	*0*	*0*	*0*	*0.997846*	*0.002154*	*0*	*0*	*Nearctic*
Meriones_arimalius	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Meriones_chengi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Meriones_crassus	*0.016489*	*0*	*0*	*0.000171*	*0*	*0*	*0*	*0*	*0.98334*	*Palearctic*
Meriones_dahli	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Meriones_grandis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Meriones_hurrianae	*0*	*0*	*0*	*0.925381*	*0*	*0*	*0*	*0*	*0.074619*	*Indo-Malay*
Meriones_libycus	*0.002329*	*0*	*0*	*0.000815*	*0*	*0*	*0*	*0*	*0.996856*	*Palearctic*
Meriones_meridianus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Meriones_persicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Meriones_rex	*0.940407*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.059593*	*Afrotropic*
Meriones_sacramenti	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Meriones_shawi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Meriones_tamariscinus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Meriones_tristrami	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Meriones_unguiculatus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Meriones_vinogradovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Meriones_zarudnyi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mesechinus_dauuricus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mesechinus_hughi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mesembriomys_gouldii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mesembriomys_macrurus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mesocapromys_angelcabrerai	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mesocapromys_auritus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mesocapromys_nanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mesocapromys_sanfelipensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mesocricetus_auratus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mesocricetus_brandti	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mesocricetus_newtoni	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mesocricetus_raddei	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mesomys_hispidus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mesomys_leniceps	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mesomys_occultus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mesomys_stimulax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Mesophylla_macconnelli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mesoplodon_bidens	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mesoplodon_bowdoini	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mesoplodon_carlhubbsi	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mesoplodon_densirostris	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mesoplodon_europaeus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mesoplodon_ginkgodens	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mesoplodon_grayi	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mesoplodon_hectori	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mesoplodon_layardii	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mesoplodon_mirus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mesoplodon_perrini	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mesoplodon_peruvianus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mesoplodon_stejnegeri	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mesoplodon_traversii	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Metachirus_nudicaudatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mico_acariensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mico_argentatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Mico_chrysoleucus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mico_emiliae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mico_humeralifer	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mico_intermedius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mico_leucippe	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mico_manicorensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mico_marcai	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mico_mauesi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mico_melanurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mico_nigriceps	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mico_rondoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mico_saterei	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microakodontomys_transitorius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microcavia_australis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microcavia_niata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microcavia_shiptoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microcebus_berthae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microcebus_bongolavensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Microcebus_danfossorum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microcebus_griseorufus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microcebus_jollyae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microcebus_lehilahytsara	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microcebus_mamiratra	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microcebus_mittermeieri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microcebus_murinus	*1*	*0*	*0*	*0*	*NA*	*0*	*0*	*0*	*0*	*Afrotropic*
Microcebus_myoxinus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microcebus_ravelobensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microcebus_rufus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microcebus_sambiranensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microcebus_simmonsi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microcebus_tavaratra	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microdillus_peeli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microdipodops_megacephalus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microdipodops_pallidus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microgale_brevicaudata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_cowani	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Microgale_dobsoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_drouhardi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_dryas	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_fotsifotsy	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_gracilis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_gymnorhyncha	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_jenkinsae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_jobihely	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_longicaudata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_majori	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_monticola	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_nasoloi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_parvula	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_principula	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_pusilla	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_soricoides	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_taiva	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microgale_talazaci	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Microgale_thomasi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microhydromys_richardsoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Micromys_minutus	*0*	*0*	*0*	*0.063378*	*0*	*0*	*0*	*0*	*0.936622*	*Palearctic*
Micronycteris_brosseti	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Micronycteris_hirsuta	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Micronycteris_matses	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Micronycteris_megalotis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Micronycteris_microtis	*0*	*0*	*0*	*0*	*0*	*9.15E-06*	*0.999991*	*0*	*0*	*Neotropic*
Micronycteris_minuta	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Micronycteris_sanborni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Micronycteris_schmidtorum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microperoryctes_aplini	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Microperoryctes_longicauda	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Microperoryctes_murina	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Microperoryctes_papuensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Micropotamogale_lamottei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Micropotamogale_ruwenzorii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Micropteropus_intermedius	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Micropteropus_pusillus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Microryzomys_altissimus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microryzomys_minutus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microsciurus_alfari	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microsciurus_flaviventer	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microsciurus_mimulus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microsciurus_santanderensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microtus_abbreviatus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microtus_agrestis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_anatolicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_arvalis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_bavaricus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_brachycercus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_breweri	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microtus_cabrerae	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_californicus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microtus_canicaudus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microtus_chrotorrhinus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Microtus_clarkei	*0*	*0*	*0*	*0.429183*	*0*	*0*	*0*	*0*	*0.570817*	*Palearctic*
Microtus_daghestanicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_dogramacii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_duodecimcostatus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_evoronensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_felteni	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_fortis	*0*	*0*	*0*	*0.090198*	*0*	*0*	*0*	*0*	*0.909802*	*Palearctic*
Microtus_gerbei	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_gregalis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_guatemalensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microtus_guentheri	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_hyperboreus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_ilaeus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_irani	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_kikuchii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Microtus_levis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_liechtensteini	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_limnophilus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Microtus_longicaudus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microtus_lusitanicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_majori	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_maximowiczii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_mexicanus	*0*	*0*	*0*	*0*	*0*	*0.829613*	*0.170387*	*0*	*0*	*Nearctic*
Microtus_middendorffii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_miurus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microtus_mongolicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_montanus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microtus_montebelli	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_mujanensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_multiplex	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_nasarovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_oaxacensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microtus_ochrogaster	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microtus_oeconomus	*0*	*0*	*0*	*0*	*0*	*0.185599*	*0*	*0*	*0.814401*	*Palearctic*
Microtus_oregoni	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microtus_paradoxus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Microtus_pennsylvanicus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microtus_pinetorum	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microtus_qazvinensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_quasiater	*0*	*0*	*0*	*0*	*0*	*0.116859*	*0.883141*	*0*	*0*	*Neotropic*
Microtus_richardsoni	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microtus_sachalinensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_savii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_schelkovnikovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_schidlovskii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_socialis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_subterraneus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_tatricus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_thomasi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_townsendii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Microtus_transcaspicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Microtus_umbrosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Microtus_xanthognathus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Millardia_gleadowi	*0*	*0*	*0*	*0.995266*	*0*	*0*	*0*	*0*	*0.004734*	*Indo-Malay*

Millardia_kathleenae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Millardia_kondana	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Millardia_meltada	*0*	*0*	*0*	*0.999265*	*0*	*0*	*0*	*0*	*0.000736*	*Indo-Malay*
Mimetillus_moloneyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mimon_bennettii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mimon_cozumelae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mimon_crenulatum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mimon_koepckeae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mindomys_hammondi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Miniopterus_australis	*0*	*0*	*0.456365*	*0.543635*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Miniopterus_fraterculus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Miniopterus_fuliginosus	*0*	*0*	*0*	*0.455645*	*0*	*0*	*0*	*0*	*0.544355*	*Palearctic*
Miniopterus_fuscus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Miniopterus_gleni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Miniopterus_griveaudi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Miniopterus_inflatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Miniopterus_macrocneme	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Miniopterus_magnater	*0*	*0*	*0.099924*	*0.8967*	*0*	*0*	*0*	*0*	*0.003376*	*Indo-Malay*
Miniopterus_majori	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Miniopterus_manavi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Miniopterus_medius	*0*	*0*	*0.172075*	*0.827925*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Miniopterus_minor	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Miniopterus_natalensis	*0.998016*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.001984*	*Afrotropic*
Miniopterus_newtoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Miniopterus_oceanensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Miniopterus_paululus	*0*	*0*	*0.769359*	*0.230641*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Miniopterus_petersoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Miniopterus_pusillus	*0*	*0*	*0.075146*	*0.924579*	*0*	*0*	*0*	*0*	*0.000275*	*Indo-Malay*
Miniopterus_robustior	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Miniopterus_schreibersii	*0.036443*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.963557*	*Palearctic*
Miniopterus_shortridgei	*0*	*0*	*0.295293*	*0.704707*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Miniopterus_soroculus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Miniopterus_tristis	*0*	*0*	*0.6371*	*0.3629*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Miopithecus_ogouensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Miopithecus_talapoin	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mirimiri_acrodonta	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*Oceania*
Mirounga_angustirostris	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mirounga_leonina	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Mirza_coquereli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mirza_zaza	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mogera_etigo	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mogera_imaizumii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mogera_insularis	*0*	*0*	*0*	*0.660786*	*0*	*0*	*0*	*0*	*0.339214*	*Indo-Malay*
Mogera_robusta	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mogera_tokudae	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mogera_wogura	*0*	*0*	*0*	*0.006134*	*0*	*0*	*0*	*0*	*0.993866*	*Palearctic*
Molossops_aequatorianus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Molossops_mattogrossensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Molossops_neglectus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Molossops_temminckii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Molossus_aztecus	*0*	*0*	*0*	*0*	*0*	*0.134074*	*0.865926*	*0*	*0*	*Neotropic*

Molossus_barnesi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Molossus_coibensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Molossus_currentium	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Molossus_molossus	*0*	*0*	*0*	*0*	*0*	*0.01089*	*0.98911*	*0*	*0*	*Neotropic*
Molossus_pretiosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Molossus_rufus	*0*	*0*	*0*	*0*	*0*	*0.0092*	*0.9908*	*0*	*0*	*Neotropic*
Molossus_sinaloae	*0*	*0*	*0*	*0*	*0*	*0.013638*	*0.986362*	*0*	*0*	*Neotropic*
Monachus_monachus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Monachus_schauinslandi	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Monodelphis_adusta	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_americana	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_brevicaudata	*0*	*0*	*0*	*0*	*NA*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_dimidiata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_domestica	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_emiliae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_glirina	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_handleyi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_iheringi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Monodelphis_kunsi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_maraxina	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_osgoodi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_palliolata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_reigi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_ronaldi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_rubida	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_scalops	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_theresa	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_umbristriata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodelphis_unistriata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monodon_monoceros	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Monophyllus_plethodon	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monophyllus_redmani	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Monticolomys_koopmani	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mormoops_blainvillei	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mormoops_megalophylla	*0*	*0*	*0*	*0*	*0*	*0.397344*	*0.602656*	*0*	*0*	*Neotropic*
Mormopterus_acetabulosus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Mormopterus_beccarii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mormopterus_doriae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mormopterus_jugularis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mormopterus_kalinowskii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mormopterus_loriae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mormopterus_minutus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mormopterus_norfolkensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mormopterus_phrudus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mormopterus_planiceps	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Moschiola_indica	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Moschiola_kathygre	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Moschiola_meminna	*0*	*0*	*0*	*1*	*NA*	*0*	*0*	*0*	*0*	*Indo-Malay*
Moschus_anhuiensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Moschus_berezovskii	*0*	*0*	*0*	*0.284911*	*0*	*0*	*0*	*0*	*0.715089*	*Palearctic*
Moschus_chrysogaster	*0*	*0*	*0*	*0.027299*	*0*	*0*	*0*	*0*	*0.972701*	*Palearctic*
Moschus_cupreus	*0*	*0*	*0*	*0.042242*	*0*	*0*	*0*	*0*	*0.957758*	*Palearctic*
Moschus_fuscus	*0*	*0*	*0*	*0.187944*	*0*	*0*	*0*	*0*	*0.812056*	*Palearctic*

Moschus_leucogaster	*0*	*0*	*0*	*0.480298*	*0*	*0*	*0*	*0*	*0.519702*	*Palearctic*
Moschus_moschiferus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mosia_nigrescens	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mungos_gambianus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mungos_mungo	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mungotictis_decemlineata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Muntiacus_atherodes	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Muntiacus_crinifrons	*0*	*0*	*0*	*0.426288*	*0*	*0*	*0*	*0*	*0.573712*	*Palearctic*
Muntiacus_feae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Muntiacus_gongshanensis	*0*	*0*	*0*	*0.45616*	*0*	*0*	*0*	*0*	*0.54384*	*Palearctic*
Muntiacus_montanus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Muntiacus_muntjak	*0*	*0*	*0.003093*	*0.996907*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Muntiacus_puhoatensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Muntiacus_putaoensis	*0*	*0*	*0*	*0.898461*	*0*	*0*	*0*	*0*	*0.101539*	*Indo-Malay*
Muntiacus_reevesi	*0*	*0*	*0*	*0.382822*	*0*	*0*	*0*	*0*	*0.617178*	*Palearctic*
Muntiacus_rooseveltorum	*0*	*0*	*0*	*0.91202*	*0*	*0*	*0*	*0*	*0.08798*	*Indo-Malay*

Muntiacus_truongsonensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Muntiacus_vaginalis	*0*	*0*	*0*	*0.93209*	*0*	*0*	*0*	*0*	*0.06791*	*Indo-Malay*
Muntiacus_vuquangensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Murexia_habbema	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Murexia_longicaudata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Murexia_melanurus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Murexia_naso	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Murexia_rothschildi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Muriculus_imberbis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Murina_aenea	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Murina_aurata	*0*	*0*	*0*	*0.487788*	*0*	*0*	*0*	*0*	*0.512212*	*Palearctic*
Murina_cyclotis	*0*	*0*	*0*	*0.996726*	*0*	*0*	*0*	*0*	*0.003274*	*Indo-Malay*
Murina_florium	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Murina_fusca	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Murina_harrisoni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Murina_hilgendorfi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Murina_huttoni	*0*	*0*	*0*	*0.660661*	*0*	*0*	*0*	*0*	*0.339339*	*Indo-Malay*
Murina_leucogaster	*0*	*0*	*0*	*0.217717*	*0*	*0*	*0*	*0*	*0.782283*	*Palearctic*
Murina_puta	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Murina_rozendaali	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Murina_ryukyuana	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Murina_suilla	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Murina_tenebrosa	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Murina_tubinaris	*0*	*0*	*0*	*0.953633*	*0*	*0*	*0*	*0*	*0.046367*	*Indo-Malay*
Murina_ussuriensis	*0*	*0*	*0*	*0.001272*	*0*	*0*	*0*	*0*	*0.998728*	*Palearctic*
Mus_baoulei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_booduga	*0*	*0*	*0*	*0.999109*	*0*	*0*	*0*	*0*	*0.000891*	*Indo-Malay*
Mus_bufo	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_callewaerti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_caroli	*0*	*0*	*0.00035*	*0.942147*	*0*	*0*	*0*	*0*	*0.057503*	*Indo-Malay*
Mus_cervicolor	*0*	*0*	*0*	*0.976802*	*0*	*0*	*0*	*0*	*0.023198*	*Indo-Malay*

Mus_cookii	*0*	*0*	*0*	*0.99191*	*0*	*0*	*0*	*0*	*0.00809*	*Indo-Malay*
Mus_crociduroides	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mus_cypriacus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mus_famulus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mus_fernandoni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mus_fragilicauda	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mus_goundae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_haussa	*0.987774*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.012226*	*Afrotropic*
Mus_indutus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_macedonicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mus_mahomet	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_mattheyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_mayori	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mus_minutoides	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_musculoides	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_musculus	*0.036136*	*8.34E-05*	*0.099743*	*0.119671*	*0*	*0.155657*	*0.070539*	*0.00003*	*0.517871*	*Palearctic*

Mus_neavei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_orangiae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_oubanguii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_pahari	*0*	*0*	*0*	*0.725281*	*0*	*0*	*0*	*0*	*0.274719*	*Indo-Malay*
Mus_phillipsi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mus_platythrix	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mus_saxicola	*0*	*0*	*0*	*0.976241*	*0*	*0*	*0*	*0*	*0.023759*	*Indo-Malay*
Mus_setulosus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_setzeri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_shortridgei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mus_sorella	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_spicilegus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mus_spretus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mus_tenellus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mus_terricolor	*0*	*0*	*0*	*0.999019*	*0*	*0*	*0*	*0*	*0.000981*	*Indo-Malay*
Mus_triton	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Mus_vulcani	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Muscardinus_avellanarius	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Musonycteris_harrisoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mustela_africana	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mustela_altaica	*0*	*0*	*0*	*0.006486*	*0*	*0*	*0*	*0*	*0.993514*	*Palearctic*
Mustela_erminea	*0*	*0*	*0.004236*	*0.001488*	*0*	*0.378225*	*0*	*0*	*0.616052*	*Palearctic*
Mustela_eversmanii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mustela_felipei	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mustela_frenata	*0*	*0*	*0*	*0*	*0*	*0.822532*	*0.177468*	*0*	*0*	*Nearctic*
Mustela_itatsi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mustela_kathiah	*0*	*0*	*0*	*0.568537*	*0*	*0*	*0*	*0*	*0.431463*	*Indo-Malay*
Mustela_lutreola	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mustela_lutreolina	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mustela_nigripes	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Mustela_nivalis	*0*	*0*	*0*	*8.34E-05*	*0*	*0.260384*	*0*	*0*	*0.739533*	*Palearctic*
Mustela_nudipes	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mustela_putorius	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Mustela_sibirica	*0*	*0*	*0*	*0.056019*	*0*	*0*	*0*	*0*	*0.943981*	*Palearctic*
Mustela_strigidorsa	*0*	*0*	*0*	*0.871075*	*0*	*0*	*0*	*0*	*0.128925*	*Indo-Malay*
Mustela_subpalmata	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Mydaus_javanensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mydaus_marchei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Mylomys_dybowskii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Mylomys_rex	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myocastor_coypus	*0*	*0*	*0*	*0*	*0*	*0*	*0.996434*	*0*	*0.003566*	*Neotropic*
Myodes_andersoni	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myodes_californicus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Myodes_centralis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myodes_gapperi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Myodes_glareolus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myodes_regulus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myodes_rex	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myodes_rufocanus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myodes_rutilus	*0*	*0*	*0*	*0*	*0*	*0.216343*	*0*	*0*	*0.783657*	*Palearctic*

Myodes_shanseius	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myodes_smithii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myoictis_leucura	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Myoictis_melas	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Myoictis_wallacei	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Myoictis_wavicus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Myomimus_personatus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myomimus_roachi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myomimus_setzeri	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myomyscus_angolensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myomyscus_brockmani	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myomyscus_verreauxii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myomyscus_yemeni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myonycteris_brachycephala	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myonycteris_relicta	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myonycteris_torquata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myoprocta_acouchy	*0*	*0*	*0*	*0*	*NA*	*0*	*1*	*0*	*0*	*Neotropic*
Myoprocta_pratti	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Myopterus_daubentonii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myopterus_whitleyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myopus_schisticolor	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myosciurus_pumilio	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_babaulti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_blarina	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_cafer	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_eisentrauti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_geata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_kihaulei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_longicaudatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_okuensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_rumpii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_schalleri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_sclateri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_tenuis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_varius	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myosorex_zinki	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Myospalax_aspalax	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myospalax_myospalax	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myospalax_psilurus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_adversus	*0*	*0*	*0.17598*	*0.82402*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Myotis_aelleni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_albescens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_alcathoe	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_altarium	*0*	*0*	*0*	*0.564862*	*0*	*0*	*0*	*0*	*0.435138*	*Indo-Malay*
Myotis_anjouanensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myotis_annamiticus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Myotis_annectans	*0*	*0*	*0*	*0.998351*	*0*	*0*	*0*	*0*	*0.001649*	*Indo-Malay*
Myotis_atacamensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_ater	*0*	*0*	*0.789045*	*0.210955*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Myotis_aurascens	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_auriculus	*0*	*0*	*0*	*0*	*0*	*0.890436*	*0.109564*	*0*	*0*	*Nearctic*
Myotis_australis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Myotis_austroriparius	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Myotis_bechsteinii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_blythii	*0*	*0*	*0*	*0.031341*	*0*	*0*	*0*	*0*	*0.968659*	*Palearctic*
Myotis_bocagii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myotis_bombinus	*0*	*0*	*0*	*0.000021*	*0*	*0*	*0*	*0*	*0.999979*	*Palearctic*
Myotis_brandtii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_bucharensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_californicus	*0*	*0*	*0*	*0*	*0*	*0.893885*	*0.106115*	*0*	*0*	*Nearctic*
Myotis_capaccinii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_chiloensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_chinensis	*0*	*0*	*0*	*0.649429*	*0*	*0*	*0*	*0*	*0.350571*	*Indo-Malay*
Myotis_ciliolabrum	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Myotis_cobanensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_csorbai	*0*	*0*	*0*	*0.868071*	*0*	*0*	*0*	*0*	*0.131929*	*Indo-Malay*
Myotis_dasycneme	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_daubentonii	*0*	*0*	*0*	*0.004873*	*0*	*0*	*0*	*0*	*0.995127*	*Palearctic*
Myotis_davidii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_dieteri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myotis_dinellii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Myotis_dominicensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_elegans	*0*	*0*	*0*	*0*	*0*	*0.016825*	*0.983175*	*0*	*0*	*Neotropic*
Myotis_emarginatus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_evotis	*0*	*0*	*0*	*0*	*0*	*0.999989*	*1.12E-05*	*0*	*0*	*Nearctic*
Myotis_fimbriatus	*0*	*0*	*0*	*0.059845*	*0*	*0*	*0*	*0*	*0.940155*	*Palearctic*
Myotis_findleyi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_formosus	*0*	*0*	*0.076813*	*0.605875*	*0*	*0*	*0*	*0*	*0.317311*	*Indo-Malay*
Myotis_fortidens	*0*	*0*	*0*	*0*	*0*	*0.202819*	*0.797181*	*0*	*0*	*Neotropic*
Myotis_frater	*0*	*0*	*0*	*0.205986*	*0*	*0*	*0*	*0*	*0.794014*	*Palearctic*
Myotis_gomantongensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Myotis_goudoti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myotis_grisescens	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Myotis_hajastanicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_hasseltii	*0*	*0*	*0.015142*	*0.984858*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Myotis_hermani	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Myotis_horsfieldii	*0*	*0*	*0.004959*	*0.995041*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Myotis_ikonnikovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_insularum	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*Oceania*
Myotis_keaysi	*0*	*0*	*0*	*0*	*0*	*0.00563*	*0.99437*	*0*	*0*	*Neotropic*
Myotis_keenii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Myotis_laniger	*0*	*0*	*0*	*0.25546*	*0*	*0*	*0*	*0*	*0.74454*	*Palearctic*
Myotis_leibii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Myotis_levis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_longipes	*0*	*0*	*0*	*0.348367*	*0*	*0*	*0*	*0*	*0.651633*	*Palearctic*
Myotis_lucifugus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Myotis_macrodactylus	*0*	*0*	*0*	*0.000261*	*0*	*0*	*0*	*0*	*0.999739*	*Palearctic*
Myotis_macropus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Myotis_macrotarsus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Myotis_martiniquensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_melanorhinus	*0*	*0*	*0*	*0*	*0*	*0.961578*	*0.038422*	*0*	*0*	*Nearctic*
Myotis_moluccarum	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Myotis_montivagus	*0*	*0*	*0*	*0.944524*	*0*	*0*	*0*	*0*	*0.055476*	*Indo-Malay*
Myotis_morrisi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Myotis_muricola	*0*	*0*	*0.043661*	*0.831521*	*0*	*0*	*0*	*0*	*0.124818*	*Indo-Malay*
Myotis_myotis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_mystacinus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_nattereri	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_nesopolus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_nigricans	*0*	*0*	*0*	*0*	*0*	*0.002127*	*0.997873*	*0*	*0*	*Neotropic*
Myotis_nipalensis	*0*	*0*	*0*	*0.075422*	*0*	*0*	*0*	*0*	*0.924578*	*Palearctic*
Myotis_occultus	*0*	*0*	*0*	*0*	*0*	*0.985535*	*0.014465*	*0*	*0*	*Nearctic*
Myotis_oreias	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Myotis_oxyotus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_peninsularis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_pequinius	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_pilosus	*0*	*0*	*0*	*0.610769*	*0*	*0*	*0*	*0*	*0.389231*	*Indo-Malay*
Myotis_planiceps	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Myotis_pruinosus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_punicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_ridleyi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Myotis_riparius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_rosseti	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Myotis_ruber	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_rufopictus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Myotis_schaubi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Myotis_scotti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myotis_septentrionalis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Myotis_sicarius	*0*	*0*	*0*	*0.862669*	*0*	*0*	*0*	*0*	*0.137331*	*Indo-Malay*
Myotis_siligorensis	*0*	*0*	*0*	*0.979888*	*0*	*0*	*0*	*0*	*0.020112*	*Indo-Malay*
Myotis_simus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Myotis_sodalis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Myotis_stalkeri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Myotis_thysanodes	*0*	*0*	*0*	*0*	*0*	*0.921586*	*0.078414*	*0*	*0*	*Nearctic*
Myotis_tricolor	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myotis_velifer	*0*	*0*	*0*	*0*	*0*	*0.821563*	*0.178437*	*0*	*0*	*Nearctic*
Myotis_vivesi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Myotis_volans	*0*	*0*	*0*	*0*	*0*	*0.972828*	*0.027172*	*0*	*0*	*Nearctic*

Myotis_welwitschii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myotis_yanbarensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Myotis_yumanensis	*0*	*0*	*0*	*0*	*0*	*0.957748*	*0.042252*	*0*	*0*	*Nearctic*
Myrmecobius_fasciatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Myrmecophaga_tridactyla	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Palearctic*
Mysateles_garridoi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mysateles_gundlachi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mysateles_melanurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mysateles_meridionalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mysateles_prehensilis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Mystacina_robusta	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mystacina_tuberculata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Mystromys_albicaudatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myzopoda_aurita	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Myzopoda_schliemanni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Naemorhedus_baileyi	*0*	*0*	*0*	*0.120422*	*0*	*0*	*0*	*0*	*0.879578*	*Palearctic*
Naemorhedus_caudatus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Naemorhedus_goral	*0*	*0*	*0*	*0.697255*	*0*	*0*	*0*	*0*	*0.302745*	*Indo-Malay*

Naemorhedus_griseus	*0*	*0*	*0*	*0.40031*	*0*	*0*	*0*	*0*	*0.59969*	*Palearctic*
Nandinia_binotata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nanger_dama	*0.461814*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.538186*	*Palearctic*
Nanger_granti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nanger_soemmerringii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nannosciurus_melanotis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nanonycteris_veldkampii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Napaeozapus_insignis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Nasalis_larvatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nasua_narica	*0*	*0*	*0*	*0*	*0*	*0.471747*	*0.528253*	*0*	*0*	*Neotropic*
Nasua_nasua	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nasuella_olivacea	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Natalus_espiritosantensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Natalus_jamaicensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Natalus_lanatus	*0*	*0*	*0*	*0*	*0*	*0.20831*	*0.79169*	*0*	*0*	*Neotropic*
Natalus_major	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Natalus_mexicanus	*0*	*0*	*0*	*0*	*0*	*0.476064*	*0.523936*	*0*	*0*	*Neotropic*
Natalus_primus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Natalus_stramineus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Natalus_tumidirostris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neacomys_dubosti	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neacomys_guianae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neacomys_minutus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neacomys_musseri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neacomys_paracou	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neacomys_pictus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neacomys_spinosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neacomys_tenuipes	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neamblysomus_gunningi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Neamblysomus_julianae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Necromys_amoenus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Necromys_benefactus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Necromys_lactens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Necromys_lasiurus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Neotropic*
Necromys_lenguarum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Necromys_obscurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Necromys_punctulatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Necromys_temchuki	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Necromys_urichi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nectogale_elegans	*0*	*0*	*0*	*0.037391*	*0*	*0*	*0*	*0*	*0.962609*	*Palearctic*
Nectomys_apicalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nectomys_magdalenae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nectomys_palmipes	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nectomys_rattus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nectomys_squamipes	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nelsonia_goldmani	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nelsonia_neotomodon	*0*	*0*	*0*	*0*	*0*	*0.985413*	*0.014587*	*0*	*0*	*Nearctic*
Neodon_forresti	*0*	*0*	*0*	*0.02165*	*0*	*0*	*0*	*0*	*0.97835*	*Palearctic*
Neodon_irene	*0*	*0*	*0*	*0.009823*	*0*	*0*	*0*	*0*	*0.990177*	*Palearctic*
Neodon_juldaschi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Neodon_sikimensis	*0*	*0*	*0*	*0.272861*	*0*	*0*	*0*	*0*	*0.727139*	*Palearctic*
Neofelis_diardi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Neofelis_nebulosa	*0*	*0*	*0*	*0.649457*	*0*	*0*	*0*	*0*	*0.350543*	*Indo-Malay*
Neofiber_alleni	*0*	*0*	*0*	*0*	*0*	*0.314596*	*0.685404*	*0*	*0*	*Neotropic*

Neohylomys_hainanensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Neomys_anomalus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Neomys_fodiens	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Neomys_teres	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Neonycteris_pusilla	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neophascogale_lorentzii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Neophoca_cinerea	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Neophocaena_asiaeorientalis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Neophocaena_phocaenoides	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Neopteryx_frosti	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Neotetracus_sinensis	*0*	*0*	*0*	*0.608006*	*0*	*0*	*0*	*0*	*0.391994*	*Indo-Malay*
Neotoma_albigula	*0*	*0*	*0*	*0*	*0*	*0.981908*	*0.018092*	*0*	*0*	*Nearctic*
Neotoma_angustapalata	*0*	*0*	*0*	*0*	*0*	*0.777448*	*0.222552*	*0*	*0*	*Nearctic*
Neotoma_bryanti	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Neotoma_chrysomelas	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neotoma_cinerea	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Neotoma_devia	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Neotoma_floridana	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Neotoma_fuscipes	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Neotoma_goldmani	*0*	*0*	*0*	*0*	*0*	*0.995392*	*0.004608*	*0*	*0*	*Nearctic*
Neotoma_lepida	*0*	*0*	*0*	*0*	*0*	*0.991107*	*0.008893*	*0*	*0*	*Nearctic*
Neotoma_leucodon	*0*	*0*	*0*	*0*	*0*	*0.958633*	*0.041367*	*0*	*0*	*Nearctic*
Neotoma_macrotis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Neotoma_magister	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Neotoma_mexicana	*0*	*0*	*0*	*0*	*0*	*0.766557*	*0.233443*	*0*	*0*	*Nearctic*
Neotoma_micropus	*0*	*0*	*0*	*0*	*0*	*0.973732*	*0.026268*	*0*	*0*	*Nearctic*
Neotoma_nelsoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neotoma_palatina	*0*	*0*	*0*	*0*	*0*	*0.659148*	*0.340852*	*0*	*0*	*Nearctic*
Neotoma_phenax	*0*	*0*	*0*	*0*	*0*	*0.612995*	*0.387005*	*0*	*0*	*Nearctic*
Neotoma_stephensi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Neotomodon_alstoni	*0*	*0*	*0*	*0*	*0*	*0.127091*	*0.872909*	*0*	*0*	*Neotropic*
Neotomys_ebriosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neotragus_batesi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Neotragus_pygmaeus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Neovison_vison	*0*	*0*	*0*	*0*	*NA*	*0.999042*	*0.000958*	*0*	*0*	*Nearctic*
Nephelomys_albigularis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Nephelomys_auriventer	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nephelomys_caracolus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nephelomys_devius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nephelomys_keaysi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nephelomys_levipes	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nephelomys_meridensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nesokia_bunnii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Nesokia_indica	*0*	*0*	*0*	*0.155928*	*0*	*0*	*0*	*0*	*0.844072*	*Palearctic*
Nesolagus_netscheri	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nesolagus_timminsi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nesomys_audeberti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nesomys_lambertoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nesomys_rufus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nesoromys_ceramicus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nesoryzomys_fernandinae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nesoryzomys_narboroughi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nesoryzomys_swarthi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nesotragus_moschatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Neurotrichus_gibbsii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Neusticomys_ferreirai	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neusticomys_monticolus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neusticomys_mussoi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neusticomys_oyapocki	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neusticomys_peruviensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Neusticomys_venezuelae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nilgiritragus_hylocrius	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nilopegamys_plumbeus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Ningaui_ridei	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Ningaui_timealeyi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Ningaui_yvonneae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Niviventer_andersoni	*0*	*0*	*0*	*0.102134*	*0*	*0*	*0*	*0*	*0.897866*	*Palearctic*
Niviventer_brahma	*0*	*0*	*0*	*0.651009*	*0*	*0*	*0*	*0*	*0.348991*	*Indo-Malay*
Niviventer_cameroni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Niviventer_confucianus	*0*	*0*	*0*	*0.265998*	*0*	*0*	*0*	*0*	*0.734002*	*Palearctic*
Niviventer_coninga	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Niviventer_cremoriventer	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Niviventer_culturatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Niviventer_eha	*0*	*0*	*0*	*0.423076*	*0*	*0*	*0*	*0*	*0.576924*	*Palearctic*
Niviventer_excelsior	*0*	*0*	*0*	*0.106362*	*0*	*0*	*0*	*0*	*0.893638*	*Palearctic*
Niviventer_fraternus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Niviventer_fulvescens	*0*	*0*	*0*	*0.757819*	*0*	*0*	*0*	*0*	*0.242181*	*Indo-Malay*
Niviventer_hinpoon	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Niviventer_langbianis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Niviventer_lepturus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Niviventer_niviventer	*0*	*0*	*0*	*0.957559*	*0*	*0*	*0*	*0*	*0.042441*	*Indo-Malay*
Niviventer_rapit	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Niviventer_tenaster	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Noctilio_albiventris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Noctilio_leporinus	*0*	*0*	*0*	*0*	*0*	*0.002821*	*0.997179*	*0*	*0*	*Neotropic*

Nomascus_concolor	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nomascus_gabriellae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nomascus_hainanus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nomascus_leucogenys	*0*	*0*	*0*	*0.942025*	*0*	*0*	*0*	*0*	*0.057975*	*Indo-Malay*
Nomascus_nasutus	*0*	*0*	*0*	*0.997815*	*0*	*0*	*0*	*0*	*0.002185*	*Indo-Malay*
Nomascus_siki	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Notiomys_edwardsii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Notiosorex_cockrumi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Notiosorex_crawfordi	*0*	*0*	*0*	*0*	*0*	*0.987627*	*0.012373*	*0*	*0*	*Nearctic*
Notiosorex_evotis	*0*	*0*	*0*	*0*	*0*	*0.230827*	*0.769173*	*0*	*0*	*Neotropic*
Notiosorex_villai	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Notomys_alexis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Notomys_aquilo	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Notomys_cervinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Notomys_fuscus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Notomys_mitchellii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Notopteris_macdonaldi	*0*	*0*	*0.140011*	*0*	*0*	*0*	*0*	*0.859989*	*0*	*Oceania*
Notopteris_neocaledonica	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Notoryctes_caurinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Notoryctes_typhlops	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctalus_aviator	*0*	*0*	*0*	*0.019843*	*0*	*0*	*0*	*0*	*0.980157*	*Palearctic*
Nyctalus_azoreum	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Nyctalus_furvus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Nyctalus_lasiopterus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Nyctalus_leisleri	*0*	*0*	*0*	*0.025187*	*0*	*0*	*0*	*0*	*0.974813*	*Palearctic*
Nyctalus_montanus	*0*	*0*	*0*	*0.676453*	*0*	*0*	*0*	*0*	*0.323547*	*Indo-Malay*
Nyctalus_noctula	*0*	*0*	*0*	*0.054581*	*0*	*0*	*0*	*0*	*0.945419*	*Palearctic*
Nyctalus_plancyi	*0*	*0*	*0*	*0.387982*	*0*	*0*	*0*	*0*	*0.612018*	*Palearctic*
Nyctereutes_procyonoides	*0*	*0*	*0*	*0.117047*	*0*	*0*	*0*	*0*	*0.882953*	*Palearctic*
Nycteris_arge	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nycteris_aurita	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nycteris_gambiensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nycteris_grandis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nycteris_hispida	*0.999921*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*7.87E-05*	*Afrotropic*

Nycteris_intermedia	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nycteris_javanica	*0*	*0*	*0.066176*	*0.933824*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nycteris_macrotis	*0.999999*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1.02E-06*	*Afrotropic*
Nycteris_madagascariensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nycteris_major	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nycteris_nana	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nycteris_parisii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nycteris_thebaica	*0.955863*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.044137*	*Afrotropic*
Nycteris_tragata	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nycteris_vinsoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nycteris_woodi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Nycticebus_bengalensis	*0*	*0*	*0*	*0.9811*	*0*	*0*	*0*	*0*	*0.0189*	*Indo-Malay*
Nycticebus_coucang	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nycticebus_javanicus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nycticebus_menagensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nycticebus_pygmaeus	*0*	*0*	*0*	*0.99376*	*0*	*0*	*0*	*0*	*0.00624*	*Indo-Malay*

Nycticeinops_schlieffeni	*0.995093*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.004907*	*Afrotropic*
Nycticeius_cubanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nycticeius_humeralis	*0*	*0*	*0*	*0*	*0*	*0.987381*	*0.012619*	*0*	*0*	*Nearctic*
Nyctiellus_lepidus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nyctimene_aello	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctimene_albiventer	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctimene_cephalotes	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctimene_certans	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctimene_cyclotis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctimene_draconilla	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctimene_keasti	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctimene_major	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctimene_malaitensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctimene_masalai	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctimene_minutus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctimene_rabori	*0*	*0*	*0.050202*	*0.949798*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Nyctimene_robinsoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctimene_sanctacrucis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Nyctimene_vizcaccia	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctinomops_aurispinosus	*0*	*0*	*0*	*0*	*0*	*0.015936*	*0.984064*	*0*	*0*	*Neotropic*
Nyctinomops_femorosaccus	*0*	*0*	*0*	*0*	*0*	*0.859718*	*0.140282*	*0*	*0*	*Nearctic*
Nyctinomops_laticaudatus	*0*	*0*	*0*	*0*	*0*	*0.002245*	*0.997755*	*0*	*0*	*Neotropic*
Nyctinomops_macrotis	*0*	*0*	*0*	*0*	*0*	*0.157009*	*0.842991*	*0*	*0*	*Neotropic*
Nyctomys_sumichrasti	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Nyctophilus_arnhemensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctophilus_bifax	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctophilus_geoffroyi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctophilus_gouldi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctophilus_heran	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctophilus_howensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctophilus_microdon	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctophilus_microtis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctophilus_nebulosus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctophilus_sherrini	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctophilus_timoriensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Nyctophilus_walkeri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Ochotona_alpina	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_argentata	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_cansus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_collaris	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Ochotona_curzoniae	*0*	*0*	*0*	*0.007017*	*0*	*0*	*0*	*0*	*0.992983*	*Palearctic*
Ochotona_dauurica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_erythrotis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_forresti	*0*	*0*	*0*	*0.496931*	*0*	*0*	*0*	*0*	*0.503069*	*Palearctic*
Ochotona_gaoligongensis	*0*	*0*	*0*	*0.035264*	*0*	*0*	*0*	*0*	*0.964736*	*Palearctic*
Ochotona_gloveri	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_himalayana	*0*	*0*	*0*	*0.006624*	*0*	*0*	*0*	*0*	*0.993376*	*Palearctic*
Ochotona_hoffmanni	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_huangensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_hyperborea	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_iliensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_koslowi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_ladacensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_macrotis	*0*	*0*	*0*	*0.040199*	*0*	*0*	*0*	*0*	*0.959801*	*Palearctic*

Ochotona_muliensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_nigritia	*0*	*0*	*0*	*0.475229*	*0*	*0*	*0*	*0*	*0.524771*	*Palearctic*
Ochotona_nubrica	*0*	*0*	*0*	*0.006257*	*0*	*0*	*0*	*0*	*0.993743*	*Palearctic*
Ochotona_pallasi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_princeps	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Ochotona_pusilla	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_roylei	*0*	*0*	*0*	*0.15402*	*0*	*0*	*0*	*0*	*0.84598*	*Palearctic*
Ochotona_rufescens	*0*	*0*	*0*	*0.003202*	*0*	*0*	*0*	*0*	*0.996798*	*Palearctic*
Ochotona_rutila	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_thibetana	*0*	*0*	*0*	*0.02819*	*0*	*0*	*0*	*0*	*0.97181*	*Palearctic*
Ochotona_thomasi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochotona_turuchanensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ochrotomys_nuttalli	*0*	*0*	*0*	*0*	*0*	*0.999993*	*7.42E-06*	*0*	*0*	*Nearctic*
Octodon_bridgesi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Octodon_degus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Octodon_lunatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Octodon_pacificus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Octodontomys_gliroides	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Octomys_mimax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Odobenus_rosmarus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Odocoileus_hemionus	*0*	*0*	*0*	*0*	*0*	*0.998702*	*0.001298*	*0*	*0*	*Nearctic*
Odocoileus_virginianus	*0*	*0*	*0*	*0*	*0*	*0.785159*	*0.214841*	*0*	*0*	*Nearctic*
Oecomys_auyantepui	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oecomys_bicolor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oecomys_catherinae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oecomys_cleberi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oecomys_concolor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oecomys_flavicans	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oecomys_mamorae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oecomys_paricola	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oecomys_phaeotis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oecomys_rex	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oecomys_roberti	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oecomys_rutilus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oecomys_speciosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oecomys_superans	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Oecomys_trinitatis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oenomys_hypoxanthus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Oenomys_ornatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Okapia_johnstoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Olallamys_albicauda	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Olallamys_edax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_andinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_arenalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_brendae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_chacoensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_delticola	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_destructor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_eliurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_flavescens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_fornesi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_fulvescens	*0*	*0*	*0*	*0*	*0*	*0.015076*	*0.984924*	*0*	*0*	*Neotropic*
Oligoryzomys_griseolus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_longicaudatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Oligoryzomys_magellanicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Neotropic*
Oligoryzomys_microtis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_mojeni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_nigripes	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_rupestris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_stramineus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oligoryzomys_vegetus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ommatophoca_rossii	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Ondatra_zibethicus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Onychogalea_fraenata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Onychogalea_unguifera	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Onychomys_arenicola	*0*	*0*	*0*	*0*	*0*	*0.998758*	*0.001242*	*0*	*0*	*Nearctic*
Onychomys_leucogaster	*0*	*0*	*0*	*0*	*0*	*0.999294*	*0.000706*	*0*	*0*	*Nearctic*
Onychomys_torridus	*0*	*0*	*0*	*0*	*0*	*0.975982*	*0.024018*	*0*	*0*	*Nearctic*
Orcaella_brevirostris	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Orcaella_heinsohni	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Orcinus_orca	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Oreamnos_americanus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Oreonax_flavicauda	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oreoryzomys_balneator	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oreotragus_oreotragus	*0.999558*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.000442*	*Afrotropic*
Ornithorhynchus_anatinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Orthogeomys_cavator	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Orthogeomys_cherriei	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Orthogeomys_cuniculus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Orthogeomys_dariensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Orthogeomys_grandis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Orthogeomys_heterodus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Orthogeomys_hispidus	*0*	*0*	*0*	*0*	*0*	*0.020648*	*0.979352*	*0*	*0*	*Neotropic*
Orthogeomys_lanius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Orthogeomys_matagalpae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Orthogeomys_thaeleri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Orthogeomys_underwoodi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Orycteropus_afer	*0.991603*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.008397*	*Afrotropic*
Oryctolagus_cuniculus	*0*	*0*	*0.602011*	*0*	*0*	*0*	*0.026303*	*1.80E-05*	*0.371669*	*Australasia*
Oryx_beisa	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Oryx_dammah	*0.860859*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.139141*	*Afrotropic*
Oryx_gazella	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Oryx_leucoryx	*0.249551*	*0*	*0*	*0*	*NA*	*0*	*0*	*0*	*0.750449*	*Palearctic*
Oryzomys_couesi	*0*	*0*	*0*	*0*	*0*	*0.107947*	*0.892053*	*0*	*0*	*Neotropic*
Oryzomys_dimidiatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oryzomys_gorgasi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oryzomys_palustris	*0*	*0*	*0*	*0*	*0*	*0.987223*	*0.012777*	*0*	*0*	*Nearctic*
Oryzorictes_hova	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Oryzorictes_tetradactylus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Osgoodomys_banderanus	*0*	*0*	*0*	*0*	*0*	*0.012201*	*0.987799*	*0*	*0*	*Neotropic*
Otaria_flavescens	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Otocolobus_manul	*0*	*0*	*0*	*1.08E-05*	*0*	*0*	*0*	*0*	*0.999989*	*Palearctic*
Otocyon_megalotis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otolemur_crassicaudatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otolemur_garnettii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomops_formosus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Otomops_johnstonei	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Otomops_madagascariensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Otomops_martiensseni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomops_papuensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Otomops_secundus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Otomops_wroughtoni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Otomys_anchietae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomys_angoniensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomys_barbouri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomys_burtoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomys_cuanzensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomys_denti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomys_irroratus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomys_lacustris	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomys_laminatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomys_occidentalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomys_saundersiae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomys_sloggetti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomys_tropicalis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otomys_typus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Otomys_unisulcatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Otonycteris_hemprichii	*0.03963*	*0*	*0*	*0.062119*	*0*	*0*	*0*	*0*	*0.898251*	*Palearctic*
Otonyctomys_hatti	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Otopteropus_cartilagonodus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Ototylomys_phyllotis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ourebia_ourebi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Ovibos_moschatus	*0*	*0*	*0*	*0*	*0*	*0.996019*	*0*	*0*	*0.003981*	*Nearctic*
Ovis_ammon	*0*	*0*	*0*	*0.000241*	*0*	*0*	*0*	*0*	*0.999759*	*Palearctic*
Ovis_canadensis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Ovis_dalli	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Ovis_nivicola	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ovis_orientalis	*0*	*0*	*0*	*0.007564*	*0*	*0*	*0*	*0*	*0.992436*	*Palearctic*
Oxymycterus_akodontius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_amazonicus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_angularis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_caparoae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_dasytrichus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_delator	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Oxymycterus_hiska	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_hispidus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_hucucha	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_inca	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_josei	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_nasutus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_paramensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_quaestor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_roberti	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Oxymycterus_rufus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ozotoceros_bezoarticus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pachyuromys_duprasi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Pagophilus_groenlandicus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Paguma_larvata	*0*	*0*	*0*	*0.613257*	*0*	*0*	*0*	*0*	*0.386743*	*Indo-Malay*
Palawanomys_furvus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pan_paniscus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pan_troglodytes	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Panthera_leo	*0.999267*	*0*	*0*	*0.000733*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Panthera_onca	*0*	*0*	*0*	*0*	*0*	*0.005118*	*0.994882*	*0*	*0*	*Neotropic*
Panthera_pardus	*0.682423*	*0*	*0*	*0.131165*	*0*	*0*	*0*	*0*	*0.186412*	*Afrotropic*
Panthera_tigris	*0*	*0*	*0*	*0.713042*	*0*	*0*	*0*	*0*	*0.286958*	*Indo-Malay*
Panthera_uncia	*0*	*0*	*0*	*0.004206*	*0*	*0*	*0*	*0*	*0.995794*	*Palearctic*
Pantholops_hodgsonii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Papagomys_armandvillei	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Papio_anubis	*0.985229*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.014771*	*Afrotropic*
Papio_cynocephalus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Papio_hamadryas	*0.961438*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.038562*	*Afrotropic*
Papio_papio	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Papio_ursinus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pappogeomys_alcorni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pappogeomys_bulleri	*0*	*0*	*0*	*0*	*0*	*0.063869*	*0.936131*	*0*	*0*	*Neotropic*
Paracoelops_megalotis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Paracrocidura_graueri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Paracrocidura_maxima	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Paracrocidura_schoutedeni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Paracynictis_selousi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Paradipus_ctenodactylus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Paradoxurus_hermaphroditus	*0*	*0*	*0.029345*	*0.95133*	*0*	*0*	*0*	*0*	*0.019325*	*Indo-Malay*
Paradoxurus_jerdoni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Paradoxurus_zeylonensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Paraechinus_aethiopicus	*0.145066*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.854934*	*Palearctic*
Paraechinus_hypomelas	*0.033694*	*0*	*0*	*0.041166*	*0*	*0*	*0*	*0*	*0.92514*	*Palearctic*
Paraechinus_micropus	*0*	*0*	*0*	*0.978845*	*0*	*0*	*0*	*0*	*0.021155*	*Indo-Malay*
Paraechinus_nudiventris	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Parahydromys_asper	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Paraleptomys_rufilatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Paraleptomys_wilhelmina	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Paralomys_gerbillus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Paramelomys_gressitti	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Paramelomys_levipes	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Paramelomys_lorentzii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Paramelomys_mollis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Paramelomys_moncktoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Paramelomys_naso	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Paramelomys_platyops	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Paramelomys_rubex	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Paramelomys_steini	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Parantechinus_apicalis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Paranyctimene_raptor	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Paranyctimene_tenax	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Parascalops_breweri	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Parascaptor_leucura	*0*	*0*	*0*	*0.51683*	*0*	*0*	*0*	*0*	*0.48317*	*Indo-Malay*
Paraxerus_alexandri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Paraxerus_boehmi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Paraxerus_cepapi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Paraxerus_cooperi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Paraxerus_flavovittis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Paraxerus_lucifer	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Paraxerus_ochraceus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Paraxerus_palliatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Paraxerus_poensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Paraxerus_vexillarius	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Paraxerus_vincenti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pardofelis_badia	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pardofelis_marmorata	*0*	*0*	*0*	*0.938525*	*0*	*0*	*0*	*0*	*0.061475*	*Indo-Malay*
Pardofelis_temminckii	*0*	*0*	*0*	*0.803294*	*0*	*0*	*0*	*0*	*0.196706*	*Indo-Malay*
Parotomys_brantsii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Parotomys_littledalei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Paruromys_dominator	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pattonomys_occasius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pattonomys_semivillosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Paulamys_naso	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pearsonomys_annectens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pecari_tajacu	*0*	*0*	*0*	*0*	*0*	*0.070451*	*0.929549*	*0*	*0*	*Neotropic*
Pectinator_spekei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pedetes_capensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pedetes_surdaster	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Pelea_capreolus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pelomys_campanae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pelomys_fallax	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pelomys_hopkinsi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pelomys_isseli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pelomys_minor	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pennatomys_nivalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pentalagus_furnessi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Penthetor_lucasi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Peponocephala_electra	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Perameles_bougainville	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Perameles_gunnii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Perameles_nasuta	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Perodicticus_potto	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Perognathus_alticolus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Perognathus_amplus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Perognathus_fasciatus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Perognathus_flavescens	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Perognathus_flavus	*0*	*0*	*0*	*0*	*0*	*0.96327*	*0.03673*	*0*	*0*	*Nearctic*
Perognathus_inornatus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Perognathus_longimembris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Nearctic*
Perognathus_merriami	*0*	*0*	*0*	*0*	*0*	*0.983029*	*0.016971*	*0*	*0*	*Nearctic*
Perognathus_parvus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_attwateri	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_aztecus	*0*	*0*	*0*	*0*	*0*	*0.087373*	*0.912627*	*0*	*0*	*Neotropic*
Peromyscus_beatae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_boylii	*0*	*0*	*0*	*0*	*0*	*0.997365*	*0.002635*	*0*	*0*	*Nearctic*
Peromyscus_bullatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_californicus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_caniceps	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_crinitus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_dickeyi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_difficilis	*0*	*0*	*0*	*0*	*0*	*0.794098*	*0.205902*	*0*	*0*	*Nearctic*
Peromyscus_eremicus	*0*	*0*	*0*	*0*	*0*	*0.953921*	*0.046079*	*0*	*0*	*Nearctic*
Peromyscus_eva	*0*	*0*	*0*	*0*	*0*	*0.756237*	*0.243763*	*0*	*0*	*Nearctic*
Peromyscus_fraterculus	*0*	*0*	*0*	*0*	*0*	*0.997693*	*0.002307*	*0*	*0*	*Nearctic*

Peromyscus_furvus	*0*	*0*	*0*	*0*	*0*	*0.169594*	*0.830406*	*0*	*0*	*Neotropic*
Peromyscus_gossypinus	*0*	*0*	*0*	*0*	*0*	*0.983058*	*0.016942*	*0*	*0*	*Nearctic*
Peromyscus_grandis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_gratus	*0*	*0*	*0*	*0*	*0*	*0.660677*	*0.339323*	*0*	*0*	*Nearctic*
Peromyscus_guardia	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_guatemalensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_gymnotis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_hooperi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_hylocetes	*0*	*0*	*0*	*0*	*0*	*0.114026*	*0.885974*	*0*	*0*	*Neotropic*
Peromyscus_interparietalis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_keeni	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_leucopus	*0*	*0*	*0*	*0*	*0*	*0.966014*	*0.033986*	*0*	*0*	*Nearctic*
Peromyscus_levipes	*0*	*0*	*0*	*0*	*0*	*0.381719*	*0.618281*	*0*	*0*	*Neotropic*
Peromyscus_madrensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_maniculatus	*0*	*0*	*0*	*0*	*0*	*0.983587*	*0.016413*	*0*	*0*	*Nearctic*
Peromyscus_mayensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_megalops	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_mekisturus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Peromyscus_melanocarpus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_melanophrys	*0*	*0*	*0*	*0*	*0*	*0.527841*	*0.472159*	*0*	*0*	*Nearctic*
Peromyscus_melanotis	*0*	*0*	*0*	*0*	*0*	*0.685604*	*0.314396*	*0*	*0*	*Nearctic*
Peromyscus_melanurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_merriami	*0*	*0*	*0*	*0*	*0*	*0.83983*	*0.16017*	*0*	*0*	*Nearctic*
Peromyscus_mexicanus	*0*	*0*	*0*	*0*	*0*	*0.024732*	*0.975268*	*0*	*0*	*Neotropic*
Peromyscus_nasutus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_ochraventer	*0*	*0*	*0*	*0*	*0*	*0.948431*	*0.051569*	*0*	*0*	*Nearctic*
Peromyscus_pectoralis	*0*	*0*	*0*	*0*	*0*	*0.916331*	*0.083669*	*0*	*0*	*Nearctic*
Peromyscus_perfulvus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_polionotus	*0*	*0*	*0*	*0*	*0*	*0.997007*	*0.002993*	*0*	*0*	*Nearctic*
Peromyscus_polius	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_pseudocrinitus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_sagax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_schmidlyi	*0*	*0*	*0*	*0*	*0*	*0.89302*	*0.10698*	*0*	*0*	*Nearctic*
Peromyscus_sejugis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_simulus	*0*	*0*	*0*	*0*	*0*	*0.003222*	*0.996778*	*0*	*0*	*Neotropic*
Peromyscus_slevini	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Peromyscus_spicilegus	*0*	*0*	*0*	*0*	*0*	*0.453951*	*0.546049*	*0*	*0*	*Neotropic*
Peromyscus_stephani	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_stirtoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_truei	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Peromyscus_winkelmanni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_yucatanicus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peromyscus_zarhynchus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peropteryx_kappleri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peropteryx_leucoptera	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peropteryx_macrotis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peropteryx_trinitatis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Peroryctes_broadbenti	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Peroryctes_raffrayana	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petaurillus_emiliae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Petaurillus_hosei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Petaurillus_kinlochii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Petaurista_alboruf us	*0*	*0*	*0*	*0.30485*	*0*	*0*	*0*	*0*	*0.69515*	*Palearctic*

Petaurista_elegans	*0*	*0*	*0*	*0.699209*	*0*	*0*	*0*	*0*	*0.300791*	*Indo-Malay*
Petaurista_leucogenys	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Petaurista_magnificus	*0*	*0*	*0*	*0.745501*	*0*	*0*	*0*	*0*	*0.254499*	*Indo-Malay*
Petaurista_nobilis	*0*	*0*	*0*	*0.949769*	*0*	*0*	*0*	*0*	*0.050231*	*Indo-Malay*
Petaurista_petaurista	*0*	*0*	*0*	*0.823693*	*0*	*0*	*0*	*0*	*0.176307*	*Indo-Malay*
Petaurista_philippensis	*0*	*0*	*0*	*0.669165*	*0*	*0*	*0*	*0*	*0.330835*	*Indo-Malay*
Petaurista_xanthotis	*0*	*0*	*0*	*0.000202*	*0*	*0*	*0*	*0*	*0.999798*	*Palearctic*
Petauroides_volans	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petaurus_abidi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petaurus_australis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petaurus_biacensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petaurus_breviceps	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petaurus_gracilis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petaurus_norfolcensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petinomys_crinitus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Petinomys_fuscocapillus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Petinomys_genibarbis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Petinomys_hageni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Petinomys_lugens	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Petinomys_mindanensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Petinomys_sagitta	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Petinomys_setosus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Petinomys_vordermanni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Petrodromus_tetradactylus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Petrogale_assimilis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_brachyotis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_burbidgei	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_coenensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_concinna	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_godmani	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_herberti	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_inornata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Petrogale_lateralis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_mareeba	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_penicillata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_persephone	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_purpureicollis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_rothschildi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_sharmani	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petrogale_xanthopus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Petromus_typicus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Petromyscus_barbouri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Petromyscus_collinus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Petromyscus_monticularis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Petromyscus_shortridgei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Petropseudes_dahli	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phacochoerus_aethiopicus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Phacochoerus_africanus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Phaenomys_ferrugineus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phaiomys_leucurus	*0*	*0*	*0*	*0.005417*	*0*	*0*	*0*	*0*	*0.994583*	*Palearctic*

Phalanger_alexandrae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phalanger_carmelitae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phalanger_gymnotis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phalanger_intercastellanus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phalanger_lullulae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phalanger_matabiru	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phalanger_matanim	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phalanger_mimicus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phalanger_orientalis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phalanger_ornatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phalanger_rothschildi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phalanger_sericeus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phalanger_vestitus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phaner_electromontis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Phaner_furcifer	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Phaner_pallescens	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Phaner_parienti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pharotis_imogene	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Phascogale_calura	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phascogale_pirata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phascogale_tapoatafa	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phascolarctos_cinereus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phascolosorex_doriae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phascolosorex_dorsalis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Phataginus_tricuspis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Phenacomys_intermedius	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Phenacomys_ungava	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Philander_andersoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Philander_deltae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Philander_frenatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Philander_mcilhennyi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Philander_mondolfii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Philander_olrogi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Philander_opossum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Philantomba_maxwellii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Philantomba_monticola	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Philetor_brachypterus	*0*	*0*	*0.732643*	*0.264159*	*0*	*0*	*0*	*0*	*0.003198*	*Australasia*
Phloeomys_cumingi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Phloeomys_pallidus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Phoca_largha	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Phoca_vitulina	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Phocarctos_hookeri	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Phocoena_dioptrica	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Phocoena_phocoena	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Phocoena_sinus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Phocoena_spinipinnis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Phocoenoides_dalli	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Phodopus_campbelli	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Phodopus_roborovskii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Phodopus_sungorus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Phoniscus_atrox	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Phoniscus_jagorii	*0*	*0*	*0.024367*	*0.975633*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Phoniscus_papuensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Phylloderma_stenops	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllomys_blainvillii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllomys_brasiliensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllomys_dasythrix	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllomys_kerri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllomys_lamarum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllomys_lundi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllomys_mantiqueirensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllomys_medius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllomys_nigrispinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllomys_pattoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllomys_thomasi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllomys_unicolor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllonycteris_aphylla	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllonycteris_poeyi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllops_falcatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllostomus_discolor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllostomus_elongatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Phyllostomus_hastatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllostomus_latifolius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_amicus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_andium	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_anitae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_bonariensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_caprinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_darwini	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_definitus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_haggardi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_limatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_magister	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_osgoodi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_osilae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_wolffsohni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Phyllotis_xanthopygus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Physeter_macrocephalus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Pipanacoctomys_aureus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Pipistrellus_abramus	*0*	*0*	*0*	*0.286286*	*0*	*0*	*0*	*0*	*0.713714*	*Palearctic*
Pipistrellus_adamsi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pipistrellus_aero	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_alaschanicus	*0*	*0*	*0*	*0.00832*	*0*	*0*	*0*	*0*	*0.99168*	*Palearctic*
Pipistrellus_anchietae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_angulatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pipistrellus_anthonyi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pipistrellus_arabicus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_ariel	*0.553654*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.446346*	*Afrotropic*
Pipistrellus_brunneus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_cadornae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pipistrellus_capensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_ceylonicus	*0*	*0*	*0*	*0.999729*	*0*	*0*	*0*	*0*	*0.000271*	*Indo-Malay*
Pipistrellus_collinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pipistrellus_coromandra	*0*	*0*	*0*	*0.943016*	*0*	*0*	*0*	*0*	*0.056984*	*Indo-Malay*
Pipistrellus_crassulus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_deserti	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Pipistrellus_eisentrauti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_endoi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Pipistrellus_flavescens	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_guineensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_hanaki	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Pipistrellus_helios	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_hesperidus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_hesperus	*0*	*0*	*0*	*0*	*0*	*0.904361*	*0.095639*	*0*	*0*	*Nearctic*
Pipistrellus_imbricatus	*0*	*0*	*0.370354*	*0.629646*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pipistrellus_inexspectatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_javanicus	*0*	*0*	*0.016251*	*0.937043*	*0*	*0*	*0*	*0*	*0.046706*	*Indo-Malay*
Pipistrellus_joffrei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pipistrellus_kitcheneri	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pipistrellus_kuhlii	*0.035802*	*0*	*0*	*0.0098*	*0*	*0*	*0*	*0*	*0.954397*	*Palearctic*
Pipistrellus_lophurus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pipistrellus_macrotis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Pipistrellus_maderensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Pipistrellus_melckorum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_minahassae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pipistrellus_musciculus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_nanulus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_nanus	*0.999942*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*5.82E-05*	*Afrotropic*
Pipistrellus_nathusii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Pipistrellus_papuanus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pipistrellus_paterculus	*0*	*0*	*0*	*0.863068*	*0*	*0*	*0*	*0*	*0.136932*	*Indo-Malay*
Pipistrellus_permixtus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_pipistrellus	*0*	*0*	*0*	*0.067167*	*0*	*0*	*0*	*0*	*0.932833*	*Palearctic*
Pipistrellus_pulveratus	*0*	*0*	*0*	*0.493927*	*0*	*0*	*0*	*0*	*0.506073*	*Palearctic*
Pipistrellus_pygmaeus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Pipistrellus_raceyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_rendalli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_ruepellii	*0.915751*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.084249*	*Afrotropic*
Pipistrellus_rusticus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_savii	*0*	*0*	*0*	*0.023708*	*0*	*0*	*0*	*0*	*0.976292*	*Palearctic*

Pipistrellus_somalicus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_stenopterus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pipistrellus_subflavus	*0*	*0*	*0*	*0*	*0*	*0.916482*	*0.083518*	*0*	*0*	*Nearctic*
Pipistrellus_tenuipinnis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pipistrellus_tenuis	*0*	*0*	*0.026175*	*0.876301*	*0*	*0*	*0*	*0*	*0.097524*	*Indo-Malay*
Pipistrellus_vordermanni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pipistrellus_wattsi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pipistrellus_westralis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pipistrellus_zuluensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pithecheir_melanurus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pithecheir_parvus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pithecheirops_otion	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pithecia_aequatorialis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pithecia_albicans	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pithecia_irrorata	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pithecia_monachus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Pithecia_pithecia	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Plagiodontia_aedium	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Planigale_gilesi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Planigale_ingrami	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Planigale_maculata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Planigale_novaeguineae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Planigale_tenuirostris	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Platacanthomys_lasiurus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Platalina_genovensium	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platanista_gangetica	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Platymops_setiger	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Platyrrhinus_albericoi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platyrrhinus_aurarius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platyrrhinus_brachycephalus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platyrrhinus_chocoensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platyrrhinus_dorsalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platyrrhinus_helleri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platyrrhinus_infuscus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Platyrrhinus_ismaeli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platyrrhinus_lineatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platyrrhinus_masu	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platyrrhinus_matapalensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platyrrhinus_nigellus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platyrrhinus_recifinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platyrrhinus_umbratus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Platyrrhinus_vittatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Plecotus_auritus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Plecotus_austriacus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Plecotus_balensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Plecotus_christii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Plecotus_kolombatovici	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Plecotus_macrobullaris	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Plecotus_ognevi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Plecotus_sacrimontis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Plecotus_sardus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Plecotus_taivanus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Plecotus_teneriffae	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Plerotes_anchietae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Podogymnura_aureospinula	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Podogymnura_truei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Podomys_floridanus	*0*	*0*	*0*	*0*	*0*	*0.943269*	*0.056731*	*0*	*0*	*Nearctic*
Podoxymys_roraimae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Poecilogale_albinucha	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Poelagus_marjorita	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pogonomelomys_brassi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pogonomelomys_bruijnii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pogonomelomys_mayeri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pogonomys_championi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pogonomys_fergusoniensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pogonomys_loriae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pogonomys_macrourus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pogonomys_sylvestris	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Poiana_leightoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Poiana_richardsonii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Pongo_abelii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pongo_pygmaeus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pontoporia_blainvillei	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Porcula_salvania	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Potamochoerus_larvatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Potamochoerus_porcus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Potamogale_velox	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Potorous_gilbertii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Potorous_longipes	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Potorous_tridactylus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Potos_flavus	*0*	*0*	*0*	*0*	*0*	*0.000648*	*0.999352*	*0*	*0*	*Neotropic*
Praomys_daltoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_degraaffi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_delectorum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_derooi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_hartwigi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_jacksoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Praomys_lukolelae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_minor	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_misonnei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_morio	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_mutoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_obscurus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_petteri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_rostratus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_tullbergi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Praomys_verschureni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Presbytis_chrysomelas	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Presbytis_comata	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Presbytis_femoralis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Presbytis_frontata	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Presbytis_hosei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Presbytis_melalophos	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Presbytis_natunae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Presbytis_potenziani	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Presbytis_rubicunda	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Presbytis_siamensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Presbytis_thomasi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Priodontes_maximus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Prionailurus_bengalensis	*0*	*0*	*0*	*0.57936*	*0*	*0*	*0*	*0*	*0.42064*	*Indo-Malay*
Prionailurus_planiceps	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Prionailurus_rubiginosus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Prionailurus_viverrinus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Prionodon_linsang	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Prionodon_pardicolor	*0*	*0*	*0*	*0.62314*	*0*	*0*	*0*	*0*	*0.37686*	*Indo-Malay*
Prionomys_batesi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Procapra_gutturosa	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Procapra_picticaudata	*0*	*0*	*0*	*3.21E-05*	*0*	*0*	*0*	*0*	*0.999968*	*Palearctic*
Procapra_przewalskii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Procavia_capensis	*0.840359*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.159641*	*Afrotropic*
Procolobus_badius	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Procolobus_gordonorum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Procolobus_kirkii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Procolobus_pennantii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Procolobus_preussi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Procolobus_rufomitratus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Procolobus_verus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Procyon_cancrivorus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Procyon_lotor	*0*	*0*	*0*	*0*	*0*	*0.909213*	*0.090787*	*0*	*0*	*Nearctic*
Procyon_pygmaeus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_brevicauda	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_canicollis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_chrysaeolus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_cuvieri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_decumanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Proechimys_echinothrix	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_gardneri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_goeldii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_guairae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_guyannensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_hoplomyoides	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_kulinae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_longicaudatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_magdalenae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_mincae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_oconnelli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_pattoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_poliopus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_quadruplicatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_roberti	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_semispinosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_simonsi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_steerei	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Proechimys_trinitatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proechimys_urichi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Proedromys_bedfordi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Proedromys_liangshanensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Prolemur_simus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Prometheomys_schaposchnikowi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Promops_centralis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Promops_nasutus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pronolagus_crassicaudatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pronolagus_randensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pronolagus_rupestris	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pronolagus_saundersiae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Propithecus_candidus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Propithecus_coquereli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Propithecus_coronatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Propithecus_deckenii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Propithecus_diadema	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Propithecus_edwardsi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Propithecus_perrieri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Propithecus_tattersalli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Propithecus_verreauxi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Prosciurillus_abstrusus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Prosciurillus_leucomus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Prosciurillus_murinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Prosciurillus_weberi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Proteles_cristata	*0.990973*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.009027*	*Afrotropic*
Protochromys_fellowsi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Protoxerus_aubinnii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Protoxerus_stangeri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Przewalskium_albirostris	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Psammomys_obesus	*0.020874*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.979126*	*Palearctic*
Psammomys_vexillaris	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Pseudalopex_culpaeus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pseudalopex_fulvipes	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pseudalopex_griseus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pseudalopex_gymnocercus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Pseudalopex_sechurae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pseudalopex_vetulus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pseudantechinus_bilarni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudantechinus_macdonnellensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudantechinus_mimulus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudantechinus_ningbing	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudantechinus_roryi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudantechinus_woolleyae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudocheirus_occidentalis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudocheirus_peregrinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudochirops_albertisii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudochirops_archeri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudochirops_corinnae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudochirops_coronatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudochirops_cupreus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudochirulus_canescens	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudochirulus_caroli	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudochirulus_cinereus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Pseudochirulus_forbesi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudochirulus_herbertensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudochirulus_larvatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudochirulus_mayeri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudochirulus_schlegeli	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudohydromys_ellermani	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudohydromys_fuscus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudohydromys_germani	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudohydromys_murinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudohydromys_musseri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudohydromys_occidentalis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudois_nayaur	*0*	*0*	*0*	*0.013835*	*0*	*0*	*0*	*0*	*0.986165*	*Palearctic*
Pseudois_schaeferi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Pseudomys_albocinereus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_apodemoides	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_australis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_bolami	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_calabyi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Pseudomys_chapmani	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_delicatulus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_desertor	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_fieldi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_fumeus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_gracilicaudatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_hermannsburgensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_higginsi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_johnsoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_nanus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_novaehollandiae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_occidentalis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_oralis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_patrius	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_pilligaensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudomys_shortridgei	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pseudorca_crassidens	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Pseudoryx_nghetinhensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Pseudoryzomys_simplex	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Ptenochirus_jagori	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Ptenochirus_minor	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pteralopex_anceps	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteralopex_atrata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteralopex_flanneryi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteralopex_pulchra	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteralopex_taki	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteromys_momonga	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Pteromys_volans	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Pteromyscus_pulverulentus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pteronotus_davyi	*0*	*0*	*0*	*0*	*0*	*0.081126*	*0.918874*	*0*	*0*	*Neotropic*
Pteronotus_gymnonotus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pteronotus_macleayii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pteronotus_paraguanensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pteronotus_parnellii	*0*	*0*	*0*	*0*	*0*	*0.022548*	*0.977452*	*0*	*0*	*Neotropic*
Pteronotus_personatus	*0*	*0*	*0*	*0*	*0*	*0.027881*	*0.972119*	*0*	*0*	*Neotropic*

Pteronotus_quadridens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pteronura_brasiliensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pteropus_admiralitatum	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_aldabrensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pteropus_alecto	*0*	*0*	*0.998448*	*0.001552*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_anetianus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_argentatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_aruensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_caniceps	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_capistratus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_chrysoproctus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_cognatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_conspicillatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_dasymallus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pteropus_faunulus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pteropus_fundatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_giganteus	*0*	*0*	*0*	*0.97495*	*0*	*0*	*0*	*0*	*0.02505*	*Indo-Malay*

Pteropus_gilliardorum	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_griseus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_hypomelanus	*0*	*0*	*0.457564*	*0.542436*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pteropus_insularis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*Oceania*
Pteropus_intermedius	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pteropus_keyensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_leucopterus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pteropus_livingstonii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pteropus_lombocensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_loochoensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pteropus_lylei	*0*	*0*	*0*	*0.963659*	*0*	*0*	*0*	*0*	*0.036341*	*Indo-Malay*
Pteropus_macrotis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_mahaganus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_mariannus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*Oceania*
Pteropus_melanopogon	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_melanotus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Pteropus_molossinus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*Oceania*
Pteropus_neohibernicus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_niger	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pteropus_nitendiensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_ocularis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_ornatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_pelewensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*Oceania*
Pteropus_personatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_pohlei	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_poliocephalus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_pselaphon	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*Oceania*
Pteropus_pumilus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pteropus_rayneri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_rennelli	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_rodricensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pteropus_rufus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pteropus_samoensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*Oceania*
Pteropus_scapulatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Pteropus_seychellensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pteropus_speciosus	*0*	*0*	*0.232529*	*0.767471*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pteropus_temminckii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_tonganus	*0*	*0*	*0.621402*	*0*	*0*	*0*	*0*	*0.378598*	*0*	*Australasia*
Pteropus_tuberculatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_ualanus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*Oceania*
Pteropus_vampyrus	*0*	*0*	*0.030322*	*0.967767*	*0*	*0*	*0*	*0*	*0.001911*	*Indo-Malay*
Pteropus_vetulus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_voeltzkowi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Pteropus_woodfordi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Pteropus_yapensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*Oceania*
Ptilocercus_lowii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pudu_mephistophiles	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pudu_puda	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Puma_concolor	*0*	*0*	*0*	*0*	*0*	*0.323213*	*0.676787*	*0*	*0*	*Neotropic*
Puma_yagouaroundi	*0*	*0*	*0*	*0*	*0*	*0.003521*	*0.996479*	*0*	*0*	*Neotropic*
Punomys_kofordi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Punomys_lemminus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Pusa_caspica	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Pusa_hispida	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Pusa_sibirica	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Pygathrix_cinerea	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pygathrix_nemaeus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pygathrix_nigripes	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Pygeretmus_platyurus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Pygeretmus_pumilio	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Pygeretmus_zhitkovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Pygoderma_bilabiatum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rangifer_tarandus	*0*	*0*	*0*	*0*	*0*	*0.432139*	*0*	*0*	*0.567861*	*Palearctic*
Raphicerus_campestris	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Raphicerus_melanotis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Raphicerus_sharpei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rattus_adustus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Rattus_andamanensis	*0*	*0*	*0*	*0.675497*	*0*	*0*	*0*	*0*	*0.324503*	*Indo-Malay*
Rattus_annandalei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_arfakienis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_argentiventer	*0*	*0*	*0.114752*	*0.885248*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_arrogans	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_baluensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_blangorum	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_bontanus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_burrus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_colletti	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_elaphinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_enganus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_everetti	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_exulans	*0*	*0*	*0.327379*	*0.663608*	*0*	*0*	*3.41E-05*	*0.008978*	*0*	*Indo-Malay*
Rattus_feliceus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Rattus_fuscipes	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_giluwensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_hainaldi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_hoffmanni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_hoogerwerfi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_jobiensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_koopmani	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_korinchi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_leucopus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_losea	*0*	*0*	*0*	*0.81193*	*0*	*0*	*0*	*0*	*0.18807*	*Indo-Malay*
Rattus_lugens	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_lutreolus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_marmosurus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_mindorensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_mollicomulus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_montanus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Rattus_mordax	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_morotaiensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_niobe	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_nitidus	*0*	*0*	*0.01935*	*0.506483*	*0*	*0*	*0*	*0.000113*	*0.474055*	*Indo-Malay*
Rattus_norvegicus	*0*	*0*	*0.037859*	*0.054874*	*0*	*0*	*0*	*0*	*0.907266*	*Palearctic*
Rattus_novaeguineae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_omichlodes	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_osgoodi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_palmarum	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_pelurus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_pococki	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_praetor	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_pyctoris	*0*	*0*	*0*	*0.15114*	*0*	*0*	*0*	*0*	*0.84886*	*Palearctic*
Rattus_ranjiniae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_rattus	*0.175165*	*0*	*0.034641*	*0.268908*	*0*	*0*	*0*	*0*	*0.521287*	*Palearctic*
Rattus_richardsoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_salocco	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Rattus_satarae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_simalurensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_sordidus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_steini	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_stoicus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_tanezumi	*0*	*0*	*0.039742*	*0.532203*	*0*	*0*	*0*	*0.001837*	*0.426217*	*Indo-Malay*
Rattus_tawitawiensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_timorensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_tiomanicus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rattus_tunneyi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_vandeuseni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_verecundus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_villosissimus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rattus_xanthurus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Ratufa_affinis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Ratufa_bicolor	*0*	*0*	*0*	*0.986209*	*0*	*0*	*0*	*0*	*0.013791*	*Indo-Malay*
Ratufa_indica	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Ratufa_macroura	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Redunca_arundinum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Redunca_fulvorufula	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Redunca_redunca	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Reithrodon_auritus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Reithrodon_typicus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Reithrodontomys_bakeri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Reithrodontomys_brevirostris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Reithrodontomys_burti	*0*	*0*	*0*	*0*	*0*	*0.725589*	*0.274411*	*0*	*0*	*Nearctic*
Reithrodontomys_chrysopsis	*0*	*0*	*0*	*0*	*0*	*0.061861*	*0.938139*	*0*	*0*	*Neotropic*
Reithrodontomys_creper	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Reithrodontomys_darienensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Reithrodontomys_fulvescens	*0*	*0*	*0*	*0*	*0*	*0.760741*	*0.239259*	*0*	*0*	*Nearctic*
Reithrodontomys_gracilis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Reithrodontomys_hirsutus	*0*	*0*	*0*	*0*	*0*	*0.124792*	*0.875208*	*0*	*0*	*Neotropic*

Reithrodontomys_humulis	*0*	*0*	*0*	*0*	*0*	*0.997175*	*0.002825*	*0*	*0*	*Nearctic*
Reithrodontomys_megalotis	*0*	*0*	*0*	*0*	*0*	*0.95194*	*0.04806*	*0*	*0*	*Nearctic*
Reithrodontomys_mexicanus	*0*	*0*	*0*	*0*	*0*	*0.024507*	*0.975493*	*0*	*0*	*Neotropic*
Reithrodontomys_microdon	*0*	*0*	*0*	*0*	*0*	*0.089031*	*0.910969*	*0*	*0*	*Neotropic*
Reithrodontomys_montanus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Reithrodontomys_paradoxus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Reithrodontomys_raviventris	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Reithrodontomys_rodriguezi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Reithrodontomys_spectabilis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Reithrodontomys_sumichrasti	*0*	*0*	*0*	*0*	*0*	*0.07051*	*0.92949*	*0*	*0*	*Neotropic*
Reithrodontomys_tenuirostris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Reithrodontomys_zacatecae	*0*	*0*	*0*	*0*	*0*	*0.78093*	*0.21907*	*0*	*0*	*Nearctic*
Rhabdomys_pumilio	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhagomys_longilingua	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhagomys_rufescens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rheithrosciurus_macrotis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rheomys_mexicanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rheomys_raptor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Rheomys_thomasi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rheomys_underwoodi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhinoceros_sondaicus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinoceros_unicornis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_acuminatus	*0*	*0*	*0.004224*	*0.995776*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_adami	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_affinis	*0*	*0*	*0.007462*	*0.777514*	*0*	*0*	*0*	*0*	*0.215024*	*Indo-Malay*
Rhinolophus_alcyone	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_arcuatus	*0*	*0*	*0.179987*	*0.820013*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_beddomei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_blasii	*0.189512*	*0*	*0*	*0.009076*	*0*	*0*	*0*	*0*	*0.801412*	*Palearctic*
Rhinolophus_bocharicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Rhinolophus_borneensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_canuti	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_capensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Rhinolophus_celebensis	*0*	*0*	*0.56907*	*0.43093*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rhinolophus_clivosus	*0.818125*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.181875*	*Afrotropic*
Rhinolophus_coelophyllus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_cognatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_convexus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_creaghi	*0*	*0*	*0.095227*	*0.904773*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_darlingi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_deckenii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_denti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_eloquens	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_euryale	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Rhinolophus_euryotis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rhinolophus_ferrumequinum	*0*	*0*	*0*	*0.069037*	*0*	*0*	*0*	*0*	*0.930963*	*Palearctic*
Rhinolophus_formosae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_fumigatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_guineensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Rhinolophus_hildebrandti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_hilli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_hillorum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_hipposideros	*0.013508*	*0*	*0*	*0.000246*	*0*	*0*	*0*	*0*	*0.986246*	*Palearctic*
Rhinolophus_inops	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_keyensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rhinolophus_landeri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_lepidus	*0*	*0*	*0*	*0.978206*	*0*	*0*	*0*	*0*	*0.021794*	*Indo-Malay*
Rhinolophus_luctus	*0*	*0*	*0.106185*	*0.77218*	*0*	*0*	*0*	*0*	*0.121635*	*Indo-Malay*
Rhinolophus_maclaudi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_macrotis	*0*	*0*	*0*	*0.693604*	*0*	*0*	*0*	*0*	*0.306396*	*Indo-Malay*
Rhinolophus_madurensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_maendeleo	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_malayanus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_marshalli	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_megaphyllus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Rhinolophus_mehelyi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Rhinolophus_mitratus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_montanus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rhinolophus_nereis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_osgoodi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Rhinolophus_paradoxolophus	*0*	*0*	*0*	*0.998985*	*0*	*0*	*0*	*0*	*0.001015*	*Indo-Malay*
Rhinolophus_pearsonii	*0*	*0*	*0*	*0.626533*	*0*	*0*	*0*	*0*	*0.373467*	*Indo-Malay*
Rhinolophus_philippinensis	*0*	*0*	*0.547132*	*0.452868*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rhinolophus_pusillus	*0*	*0*	*0*	*0.79046*	*0*	*0*	*0*	*0*	*0.20954*	*Indo-Malay*
Rhinolophus_rex	*0*	*0*	*0*	*0.001771*	*0*	*0*	*0*	*0*	*0.998229*	*Palearctic*
Rhinolophus_robinsoni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_rouxii	*0*	*0*	*0*	*0.984334*	*0*	*0*	*0*	*0*	*0.015666*	*Indo-Malay*
Rhinolophus_rufus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_ruwenzorii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_sakejiensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Rhinolophus_sedulus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_shameli	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_shortridgei	*0*	*0*	*0*	*0.605198*	*0*	*0*	*0*	*0*	*0.394802*	*Indo-Malay*
Rhinolophus_siamensis	*0*	*0*	*0*	*0.999786*	*0*	*0*	*0*	*0*	*0.000214*	*Indo-Malay*
Rhinolophus_silvestris	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_simulator	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_sinicus	*0*	*0*	*0*	*0.459439*	*0*	*0*	*0*	*0*	*0.540561*	*Palearctic*
Rhinolophus_stheno	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_subbadius	*0*	*0*	*0*	*0.979429*	*0*	*0*	*0*	*0*	*0.020571*	*Indo-Malay*
Rhinolophus_subrufus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinolophus_swinnyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinolophus_thomasi	*0*	*0*	*0*	*0.780279*	*0*	*0*	*0*	*0*	*0.219721*	*Indo-Malay*
Rhinolophus_trifoliatus	*0*	*0*	*1.40E-05*	*0.998287*	*0*	*0*	*0*	*0*	*0.001699*	*Indo-Malay*
Rhinolophus_virgo	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Rhinolophus_yunanensis	*0*	*0*	*0*	*0.982924*	*0*	*0*	*0*	*0*	*0.017076*	*Indo-Malay*
Rhinolophus_ziama	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhinonicteris_aurantia	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rhinophylla_alethina	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhinophylla_fischerae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhinophylla_pumilio	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhinopithecus_avunculus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhinopithecus_bieti	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Rhinopithecus_brelichi	*0*	*0*	*0*	*0.683504*	*0*	*0*	*0*	*0*	*0.316496*	*Indo-Malay*
Rhinopithecus_roxellana	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Rhinopithecus_strykeri	*0*	*0*	*0*	*0.714124*	*0*	*0*	*0*	*0*	*0.285876*	*Indo-Malay*
Rhinopoma_hardwickii	*0.235587*	*0*	*0*	*0.177546*	*0*	*0*	*0*	*0*	*0.586867*	*Palearctic*
Rhinopoma_microphyllum	*0.479506*	*0*	*0*	*0.207975*	*0*	*0*	*0*	*0*	*0.312519*	*Afrotropic*
Rhinopoma_muscatellum	*0.123012*	*0*	*0*	*0.017453*	*0*	*0*	*0*	*0*	*0.859535*	*Palearctic*
Rhinosciurus_laticaudatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhipidomys_austrinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Rhipidomys_cariri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_caucensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_couesi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_emiliae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_fulviventer	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_gardneri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_latimanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_leucodactylus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_macconnelli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_macrurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_mastacalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_modicus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_nitela	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_ochrogaster	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_venezuelae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_venustus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhipidomys_wetzeli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhizomys_pruinosus	*0*	*0*	*0*	*0.867496*	*0*	*0*	*0*	*0*	*0.132504*	*Indo-Malay*

Rhizomys_sinensis	*0*	*0*	*0*	*0.476743*	*0*	*0*	*0*	*0*	*0.523257*	*Palearctic*
Rhizomys_sumatrensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhogeessa_aeneus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhogeessa_alleni	*0*	*0*	*0*	*0*	*0*	*0.140837*	*0.859163*	*0*	*0*	*Neotropic*
Rhogeessa_genowaysi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhogeessa_gracilis	*0*	*0*	*0*	*0*	*0*	*0.120448*	*0.879552*	*0*	*0*	*Neotropic*
Rhogeessa_hussoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhogeessa_io	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhogeessa_minutilla	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhogeessa_mira	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhogeessa_parvula	*0*	*0*	*0*	*0*	*0*	*0.239345*	*0.760655*	*0*	*0*	*Neotropic*
Rhogeessa_tumida	*0*	*0*	*0*	*0*	*0*	*0.046945*	*0.953055*	*0*	*0*	*Neotropic*
Rhombomys_opimus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Rhynchocyon_chrysopygus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhynchocyon_cirnei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhynchocyon_petersi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhynchocyon_udzungwensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rhynchogale_melleri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Rhyncholestes_raphanurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rhynchomeles_prattorum	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rhynchomys_banahao	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhynchomys_isarogensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhynchomys_soricoides	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhynchomys_tapulao	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rhynchonycteris_naso	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Romerolagus_diazi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Rousettus_aegyptiacus	*0.870789*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.129211*	*Afrotropic*
Rousettus_amplexicaudatus	*0*	*0*	*0.268553*	*0.731447*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Rousettus_bidens	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rousettus_celebensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rousettus_lanosus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Rousettus_leschenaultii	*0*	*0*	*0.000638*	*0.929777*	*0*	*0*	*0*	*0*	*0.069585*	*Indo-Malay*
Rousettus_linduensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Rousettus_madagascariensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Rousettus_oblivios us	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotr opic*
Rousettus_spinalat us	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Mala y*
Rubrisciurus_rubr iventer	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Austr alasia*
Rucervus_duvauce lii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Mala y*
Rucervus_eldii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Mala y*
Rungwecebus_kip unji	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotr opic*
Rupicapra_pyrena ica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palea rctic*
Rupicapra_rupica pra	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palea rctic*
Rusa_alfredi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Mala y*
Rusa_marianna	*0*	*0*	*0*	*0.99 1974*	*0*	*0*	*0*	*0.00 8026*	*0*	*Indo-Mala y*
Rusa_timorensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Mala y*
Rusa_unicolor	*0*	*0*	*0*	*0.86 9636*	*0*	*0*	*0*	*0*	*0.13 0364*	*Indo-Mala y*
Ruwenzorisorex_s uncoides	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotr opic*
Saccolaimus_flavi ventris	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Austr alasia*
Saccolaimus_mixt us	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Austr alasia*
Saccolaimus_peli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotr opic*

Saccolaimus_saccolaimus	*0*	*0*	*0.077029*	*0.922971*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Saccopteryx_antioquensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saccopteryx_bilineata	*0*	*0*	*0*	*0*	*0*	*0.002081*	*0.997919*	*0*	*0*	*Neotropic*
Saccopteryx_canescens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saccopteryx_gymnura	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saccopteryx_leptura	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saccostomus_campestris	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Saccostomus_mearnsi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Saguinus_bicolor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saguinus_fuscicollis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saguinus_geoffroyi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saguinus_imperator	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saguinus_inustus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saguinus_labiatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saguinus_leucopus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saguinus_martinsi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saguinus_melanoleucus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saguinus_midas	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Saguinus_mystax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saguinus_niger	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saguinus_nigricollis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saguinus_oedipus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saguinus_tripartitus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saiga_tatarica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Saimiri_boliviensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saimiri_oerstedii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saimiri_sciureus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saimiri_ustus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Saimiri_vanzolinii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Salanoia_concolor	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Salinoctomys_loschalchalerosorum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Salinomys_delicatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Salpingotulus_michaelis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Salpingotus_crassicauda	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Salpingotus_heptneri	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Salpingotus_kozlovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Salpingotus_pallidus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Santamartamys_rufodorsalis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sarcophilus_harrisii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sauromys_petrophilus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Saxatilomys_paulinae	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Scalopus_aquaticus	*0*	*0*	*0*	*0*	*0*	*0.997768*	*0.002232*	*0*	*0*	*Nearctic*
Scapanulus_oweni	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Scapanus_latimanus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Scapanus_orarius	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Scapanus_townsendii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Scapteromys_aquaticus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Scapteromys_tumidus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Scaptochirus_moschatus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Scaptonyx_fusicaudus	*0*	*0*	*0*	*0.22066*	*0*	*0*	*0*	*0*	*0.77934*	*Palearctic*
Sciurillus_pusillus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurocheirus_alleni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sciurocheirus_gabonensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sciurotamias_davidianus	*0*	*0*	*0*	*0.015518*	*0*	*0*	*0*	*0*	*0.984482*	*Palearctic*

Sciurotamias_forresti	*0*	*0*	*0*	*0.443538*	*0*	*0*	*0*	*0*	*0.556462*	*Palearctic*
Sciurus_aberti	*0*	*0*	*0*	*0*	*0*	*0.97003*	*0.02997*	*0*	*0*	*Nearctic*
Sciurus_aestuans	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurus_alleni	*0*	*0*	*0*	*0*	*0*	*0.974477*	*0.025523*	*0*	*0*	*Nearctic*
Sciurus_anomalus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sciurus_arizonensis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sciurus_aureogaster	*0*	*0*	*0*	*0*	*0*	*0.130515*	*0.869485*	*0*	*0*	*Neotropic*
Sciurus_carolinensis	*0*	*0*	*0*	*0*	*0*	*0.995973*	*0.004027*	*0*	*0*	*Nearctic*
Sciurus_colliaei	*0*	*0*	*0*	*0*	*0*	*0.317324*	*0.682676*	*0*	*0*	*Neotropic*
Sciurus_deppei	*0*	*0*	*0*	*0*	*0*	*0.033845*	*0.966155*	*0*	*0*	*Neotropic*
Sciurus_flammifer	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurus_gilvigularis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurus_granatensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurus_griseus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sciurus_ignitus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurus_igniventris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurus_lis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sciurus_nayaritensis	*0*	*0*	*0*	*0*	*0*	*0.783827*	*0.216173*	*0*	*0*	*Nearctic*

Sciurus_niger	*0*	*0*	*0*	*0*	*0*	*0.995875*	*0.004125*	*0*	*0*	*Nearctic*
Sciurus_oculatus	*0*	*0*	*0*	*0*	*0*	*0.483252*	*0.516748*	*0*	*0*	*Neotropic*
Sciurus_pucherani	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurus_pyrrhinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurus_richmondi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurus_sanborni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurus_spadiceus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurus_stramineus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurus_variegatoides	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sciurus_vulgaris	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sciurus_yucatanensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Scleronycteris_ega	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Scolomys_melanops	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Scolomys_ucayalensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Scoteanax_rueppellii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Scotinomys_teguina	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Scotinomys_xerampelinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Scotoecus_albofuscus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Scotoecus_hirundo	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Scotoecus_pallidus	*0*	*0*	*0*	*0.980801*	*0*	*0*	*0*	*0*	*0.019199*	*Indo-Malay*
Scotomanes_ornatus	*0*	*0*	*0*	*0.707603*	*0*	*0*	*0*	*0*	*0.292397*	*Indo-Malay*
Scotonycteris_ophiodon	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Scotonycteris_zenkeri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Scotophilus_borbonicus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Scotophilus_celebensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Scotophilus_collinus	*0*	*0*	*0.326555*	*0.673445*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Scotophilus_dinganii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Scotophilus_heathii	*0*	*0*	*0*	*0.961715*	*0*	*0*	*0*	*0*	*0.038285*	*Indo-Malay*
Scotophilus_kuhlii	*0*	*0*	*0.041408*	*0.951293*	*0*	*0*	*0*	*0*	*0.007299*	*Indo-Malay*
Scotophilus_leucogaster	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Scotophilus_marovaza	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Scotophilus_nigrita	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Scotophilus_nucella	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Scotophilus_nux	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Scotophilus_robustus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Scotophilus_tandrefana	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Scotophilus_viridis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Scotorepens_balstoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Scotorepens_greyii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Scotorepens_orion	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Scotorepens_sanborni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Scotozous_dormeri	*0*	*0*	*0*	*0.999032*	*0*	*0*	*0*	*0*	*0.000968*	*Indo-Malay*
Scutisorex_somereni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sekeetamys_calurus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Selevinia_betpakdalaensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Semnopithecus_ajax	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Semnopithecus_dussumieri	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Semnopithecus_entellus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Semnopithecus_hector	*0*	*0*	*0*	*0.999611*	*0*	*0*	*0*	*0*	*0.000389*	*Indo-Malay*
Semnopithecus_hypoleucos	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Semnopithecus_priam	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Semnopithecus_schistaceus	*0*	*0*	*0*	*0.515666*	*0*	*0*	*0*	*0*	*0.484334*	*Indo-Malay*
Setifer_setosus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Setonix_brachyurus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sicista_armenica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sicista_betulina	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sicista_caucasica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sicista_caudata	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sicista_concolor	*0*	*0*	*0*	*0.020793*	*0*	*0*	*0*	*0*	*0.979207*	*Palearctic*
Sicista_kazbegica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sicista_kluchorica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sicista_napaea	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sicista_pseudonapaea	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sicista_severtzovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sicista_strandi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sicista_subtilis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sicista_tianshanica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sigmodon_alleni	*0*	*0*	*0*	*0*	*0*	*0.042367*	*0.957633*	*0*	*0*	*Neotropic*

Sigmodon_alstoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sigmodon_arizonae	*0*	*0*	*0*	*0*	*0*	*0.82379*	*0.17621*	*0*	*0*	*Nearctic*
Sigmodon_fulviventer	*0*	*0*	*0*	*0*	*0*	*0.880588*	*0.119412*	*0*	*0*	*Nearctic*
Sigmodon_hirsutus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sigmodon_hispidus	*0*	*0*	*0*	*0*	*0*	*0.992627*	*0.007373*	*0*	*0*	*Nearctic*
Sigmodon_inopinatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sigmodon_leucotis	*0*	*0*	*0*	*0*	*0*	*0.63665*	*0.36335*	*0*	*0*	*Nearctic*
Sigmodon_mascotensis	*0*	*0*	*0*	*0*	*0*	*0.001219*	*0.998781*	*0*	*0*	*Neotropic*
Sigmodon_ochrognathus	*0*	*0*	*0*	*0*	*0*	*0.997824*	*0.002176*	*0*	*0*	*Nearctic*
Sigmodon_peruanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sigmodon_planifrons	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sigmodon_toltecus	*0*	*0*	*0*	*0*	*0*	*0.186302*	*0.813698*	*0*	*0*	*Neotropic*
Sigmodontomys_alfari	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sigmodontomys_aphrastus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Simias_concolor	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sminthopsis_aitkeni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_archeri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_bindi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Sminthopsis_butleri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_crassicaudata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_dolichura	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_douglasi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_fuliginosus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_gilberti	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_granulipes	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_griseoventer	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_hirtipes	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_leucopus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_longicaudata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_macroura	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_murina	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_ooldea	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_psammophila	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_virginiae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sminthopsis_youngsoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Smutsia_gigantea	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Smutsia_temminckii	*0.985899*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.014101*	*Afrotropic*
Solenodon_cubanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Solenodon_paradoxus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Solisorex_pearsoni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Solomys_ponceleti	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Solomys_salamonis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Solomys_salebrosus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Solomys_sapientis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sommeromys_macrorhinos	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sooretamys_angouya	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sorex_alaskanus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_alpinus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_antinorii	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Palearctic*
Sorex_araneus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_arcticus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_arizonae	*0*	*0*	*0*	*0*	*0*	*0.999439*	*0.000561*	*0*	*0*	*Nearctic*
Sorex_arunchi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_asper	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Sorex_bairdi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_bedfordiae	*0*	*0*	*0*	*0.182049*	*0*	*0*	*0*	*0*	*0.817951*	*Palearctic*
Sorex_bendirii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_buchariensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_caecutiens	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_camtschatica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_cansulus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_cinereus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_coronatus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_cylindricauda	*0*	*0*	*0*	*0.00741*	*0*	*0*	*0*	*0*	*0.99259*	*Palearctic*
Sorex_daphaenodon	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_dispar	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_emarginatus	*0*	*0*	*0*	*0*	*0*	*0.791183*	*0.208817*	*0*	*0*	*Nearctic*
Sorex_excelsus	*0*	*0*	*0*	*0.00264*	*0*	*0*	*0*	*0*	*0.99736*	*Palearctic*
Sorex_fumeus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_gracillimus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_granarius	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_haydeni	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Sorex_hosonoi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_hoyi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_isodon	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_ixtlanensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sorex_jacksoni	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_kozlovi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_leucogaster	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_longirostris	*0*	*0*	*0*	*0*	*0*	*0.999951*	*4.95E-05*	*0*	*0*	*Nearctic*
Sorex_lyelli	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_macrodon	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sorex_maritimensis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_mediopua	*0*	*0*	*0*	*0*	*0*	*0.015176*	*0.984824*	*0*	*0*	*Neotropic*
Sorex_merriami	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_milleri	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_minutissimus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_minutus	*0*	*0*	*0*	*0.003811*	*0*	*0*	*0*	*0*	*0.996189*	*Palearctic*
Sorex_mirabilis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_monticolus	*0*	*0*	*0*	*0*	*0*	*0.999943*	*5.74E-05*	*0*	*0*	*Nearctic*

Sorex_nanus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_neomexicanus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_oreopolus	*0*	*0*	*0*	*0*	*0*	*0.17799*	*0.82201*	*0*	*0*	*Neotropic*
Sorex_orizabae	*0*	*0*	*0*	*0*	*0*	*0.065348*	*0.934652*	*0*	*0*	*Neotropic*
Sorex_ornatus	*0*	*0*	*0*	*0*	*0*	*0.994256*	*0.005744*	*0*	*0*	*Nearctic*
Sorex_pacificus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_palustris	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_planiceps	*0*	*0*	*0*	*0.218323*	*0*	*0*	*0*	*0*	*0.781677*	*Palearctic*
Sorex_portenkoi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_preblei	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_pribilofensis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_raddei	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_roboratus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_rohweri	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_samniticus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_satunini	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_saussurei	*0*	*0*	*0*	*0*	*0*	*0.035293*	*0.964707*	*0*	*0*	*Neotropic*
Sorex_sclateri	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Sorex_shinto	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_sinalis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_sonomae	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_stizodon	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sorex_tenellus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_thibetanus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_trowbridgii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_tundrensis	*0*	*0*	*0*	*0*	*0*	*0.109801*	*0*	*0*	*0.890199*	*Palearctic*
Sorex_ugyunak	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_unguiculatus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_vagrans	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sorex_ventralis	*0*	*0*	*0*	*0*	*0*	*0.060979*	*0.939021*	*0*	*0*	*Neotropic*
Sorex_veraecrucis	*0*	*0*	*0*	*0*	*0*	*0.295664*	*0.704336*	*0*	*0*	*Neotropic*
Sorex_veraepacis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sorex_volnuchini	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sorex_yukonicus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Soricomys_kalinga	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Soricomys_musseri	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Soriculus_nigrescens	*0*	*0*	*0*	*0.172449*	*0*	*0*	*0*	*0*	*0.827551*	*Palearctic*
Sotalia_fluviatilis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Sotalia_guianensis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Sousa_chinensis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Sousa_teuszii	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Spalacopus_cyanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Spalax_arenarius	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spalax_ehrenbergi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spalax_giganteus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spalax_graecus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spalax_leucodon	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Palearctic*
Spalax_microphthalmus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spalax_nehringi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spalax_uralensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spalax_zemni	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Speothos_venaticus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Spermophilopsis_leptodactylus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_adocetus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Spermophilus_alashanicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_annulatus	*0*	*0*	*0*	*0*	*0*	*0.014028*	*0.985972*	*0*	*0*	*Neotropic*
Spermophilus_armatus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_atricapillus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_beecheyi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_beldingi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_brevicauda	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_brunneus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_canus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_citellus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_columbianus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_dauricus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_elegans	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_erythrogenys	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_franklinii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_fulvus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_lateralis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_madrensis	*0*	*0*	*0*	*0*	*0*	*0.936027*	*0.063973*	*0*	*0*	*Nearctic*

Spermophilus_major	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_mexicanus	*0*	*0*	*0*	*0*	*0*	*0.892941*	*0.107059*	*0*	*0*	*Nearctic*
Spermophilus_mohavensis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_mollis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_musicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_pallidicauda	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_parryii	*0*	*0*	*0*	*0*	*0*	*0.697852*	*0*	*0*	*0.302148*	*Nearctic*
Spermophilus_perotensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Spermophilus_pygmaeus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_ralli	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_relictus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_richardsonii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_saturatus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_spilosoma	*0*	*0*	*0*	*0*	*0*	*0.997059*	*0.002941*	*0*	*0*	*Nearctic*
Spermophilus_suslicus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_taurensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_tereticaudus	*0*	*0*	*0*	*0*	*0*	*0.999186*	*0.000814*	*0*	*0*	*Nearctic*
Spermophilus_townsendii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Spermophilus_tridecemlineatus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_undulatus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Spermophilus_variegatus	*0*	*0*	*0*	*0*	*0*	*0.91428*	*0.08572*	*0*	*0*	*Nearctic*
Spermophilus_washingtoni	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Spermophilus_xanthoprymnus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Sphaerias_blanfordi	*0*	*0*	*0*	*0.896332*	*0*	*0*	*0*	*0*	*0.103668*	*Indo-Malay*
Sphaeronycteris_toxophyllum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sphiggurus_ichillus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sphiggurus_insidiosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sphiggurus_melanurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sphiggurus_mexicanus	*0*	*0*	*0*	*0*	*0*	*0.002524*	*0.997476*	*0*	*0*	*Neotropic*
Sphiggurus_pruinosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sphiggurus_roosmalenorum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sphiggurus_spinosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sphiggurus_vestitus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sphiggurus_villosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Spilocuscus_kraemeri	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Spilocuscus_maculatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Spilocuscus_papuensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Spilocuscus_rufoniger	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Spilocuscus_wilsoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Spilogale_angustifrons	*0*	*0*	*0*	*0*	*0*	*0.10138*	*0.89862*	*0*	*0*	*Neotropic*
Spilogale_gracilis	*0*	*0*	*0*	*0*	*0*	*0.9911*	*0.0089*	*0*	*0*	*Nearctic*
Spilogale_putorius	*0*	*0*	*0*	*0*	*0*	*0.993897*	*0.006103*	*0*	*0*	*Nearctic*
Spilogale_pygmaea	*0*	*0*	*0*	*0*	*0*	*0.006399*	*0.993601*	*0*	*0*	*Neotropic*
Srilankamys_ohiensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Steatomys_bocagei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Steatomys_caurinus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Steatomys_cuppedius	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Steatomys_jacksoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Steatomys_krebsii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Steatomys_opimus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Steatomys_parvus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Steatomys_pratensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Stenella_attenuata	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Stenella_clymene	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*

Stenella_coeruleoalba	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Stenella_frontalis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Stenella_longirostris	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Steno_bredanensis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Stenocephalemys_albipes	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Stenocephalemys_albocaudata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Stenocephalemys_griseicauda	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Stenocephalemys_ruppi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Stenoderma_rufum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Stochomys_longicaudatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Strigocuscus_celebensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Strigocuscus_pelengensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sturnira_aratathomasi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sturnira_bidens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sturnira_bogotensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sturnira_erythromos	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sturnira_lilium	*0*	*0*	*0*	*0*	*0*	*0.016491*	*0.983509*	*0*	*0*	*Neotropic*
Sturnira_ludovici	*0*	*0*	*0*	*0*	*0*	*0.045569*	*0.954431*	*0*	*0*	*Neotropic*

Sturnira_luisi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sturnira_magna	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sturnira_mistratensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sturnira_mordax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sturnira_nana	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sturnira_oporaphilum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sturnira_sorianoi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sturnira_thomasi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sturnira_tildae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Styloctenium_mindorensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Styloctenium_wallacei	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Stylodipus_andrewsi	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Stylodipus_sungorus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Stylodipus_telum	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Suncus_aequatorius	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Suncus_ater	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Suncus_dayi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Suncus_etruscus	*0.060131*	*0*	*0*	*0.303254*	*0*	*0*	*0*	*0*	*0.636615*	*Palearctic*
Suncus_fellowesgordoni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Suncus_hosei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Suncus_infinitesimus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Suncus_lixus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Suncus_madagascariensis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Suncus_malayanus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Suncus_megalura	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Suncus_mertensi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Suncus_montanus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Suncus_murinus	*0.074567*	*0*	*0.02846*	*0.844304*	*0*	*0*	*0*	*5.72E-05*	*0.052612*	*Indo-Malay*
Suncus_remyi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Suncus_stoliczkanus	*0*	*0*	*0*	*0.986639*	*0*	*0*	*0*	*0*	*0.013361*	*Indo-Malay*
Suncus_varilla	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Suncus_zeylanicus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Sundamys_infraluteus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundamys_maxi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundamys_muelleri	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_brookei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_davensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_fraterculus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_hippurus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_hoogstraali	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_jentinki	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_juvencus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_lowii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_mindanensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_moellendorffi	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Sundasciurus_philippinensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_rabori	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_samarensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_steerii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sundasciurus_tenuis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Surdisorex_norae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Surdisorex_polulus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Suricata_suricatta	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sus_ahoenobarbus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sus_barbatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sus_bucculentus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sus_cebifrons	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sus_celebensis	*0*	*0*	*0.977811*	*0.022189*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sus_oliveri	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Sus_philippensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Sus_scrofa	*0*	*0*	*0*	*0.196717*	*0*	*0*	*0*	*0*	*0.803283*	*Palearctic*
Sus_verrucosus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Syconycteris_australis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Syconycteris_carolinae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Syconycteris_hobbit	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Sylvicapra_grimmia	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sylvilagus_aquaticus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sylvilagus_audubonii	*0*	*0*	*0*	*0*	*0*	*0.981686*	*0.018314*	*0*	*0*	*Nearctic*
Sylvilagus_bachmani	*0*	*0*	*0*	*0*	*0*	*0.979513*	*0.020487*	*0*	*0*	*Nearctic*
Sylvilagus_brasiliensis	*0*	*0*	*0*	*0*	*0*	*0.000813*	*0.999187*	*0*	*0*	*Neotropic*
Sylvilagus_cognatus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sylvilagus_cunicularius	*0*	*0*	*0*	*0*	*0*	*0.046329*	*0.953671*	*0*	*0*	*Neotropic*
Sylvilagus_dicei	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sylvilagus_floridanus	*0*	*0*	*0*	*0*	*0*	*0.835747*	*0.164253*	*0*	*0*	*Nearctic*
Sylvilagus_graysoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sylvilagus_insonus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sylvilagus_mansuetus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Sylvilagus_nuttallii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sylvilagus_obscurus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sylvilagus_palustris	*0*	*0*	*0*	*0*	*0*	*0.951127*	*0.048873*	*0*	*0*	*Nearctic*
Sylvilagus_robustus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sylvilagus_transitionalis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Sylvilagus_varynaensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Sylvisorex_camerunensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sylvisorex_granti	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sylvisorex_howelli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sylvisorex_isabellae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sylvisorex_johnstoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sylvisorex_konganensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sylvisorex_lunaris	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sylvisorex_morio	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sylvisorex_ollula	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sylvisorex_oriundus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sylvisorex_pluvialis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Sylvisorex_vulcanorum	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Symphalangus_syndactylus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Synaptomys_borealis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Synaptomys_cooperi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Syncerus_caffer	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Syntheosciurus_brochus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tachyglossus_aculeatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tachyoryctes_macrocephalus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tachyoryctes_splendens	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_aegyptiaca	*0.668789*	*0*	*0*	*0.30856*	*0*	*0*	*0*	*0*	*0.022651*	*Afrotropic*
Tadarida_aloysiisabaudiae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_ansorgei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_australis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tadarida_bemmeleni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_bivittata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_brachyptera	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_brasiliensis	*0*	*0*	*0*	*0*	*0*	*0.368095*	*0.631905*	*0*	*0*	*Neotropic*
Tadarida_bregullae	*0*	*0*	*0.90376*	*0*	*0*	*0*	*0*	*0.09624*	*0*	*Australasia*
Tadarida_chapini	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Tadarida_condylura	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_congica	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_demonstrator	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_fulminans	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_gallagheri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_insignis	*0*	*0*	*0*	*0.353899*	*0*	*0*	*0*	*0*	*0.646101*	*Palearctic*
Tadarida_jobensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tadarida_jobimena	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_johorensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tadarida_kuboriensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tadarida_latouchei	*0*	*0*	*0*	*0.403051*	*0*	*0*	*0*	*0*	*0.596949*	*Palearctic*
Tadarida_leucostigma	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_lobata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_major	*0.987243*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.012757*	*Afrotropic*
Tadarida_midas	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_mops	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tadarida_nanula	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_niangarae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Tadarida_nigeriae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_niveiventer	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_petersoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_plicata	*0*	*0*	*0.001836*	*0.972678*	*0*	*0*	*0*	*0*	*0.025486*	*Indo-Malay*
Tadarida_pumila	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_russata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_sarasinorum	*0*	*0*	*0.882575*	*0.117425*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tadarida_solomonis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tadarida_spurrelli	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_teniotis	*0*	*0*	*0*	*0.010446*	*0*	*0*	*0*	*0*	*0.989554*	*Palearctic*
Tadarida_thersites	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_tomensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_trevori	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tadarida_ventralis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Taeromys_arcuatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Taeromys_callitrichus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Taeromys_celebensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Taeromys_hamatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Taeromys_microbullatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Taeromys_punicans	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Taeromys_taerae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Talpa_altaica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Talpa_caeca	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Talpa_caucasica	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Talpa_davidiana	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Talpa_europaea	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Talpa_levantis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Talpa_occidentalis	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Talpa_romana	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Talpa_stankovici	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Tamandua_mexicana	*0*	*0*	*0*	*0*	*0*	*0.000286*	*0.999714*	*0*	*0*	*Neotropic*
Tamandua_tetradactyla	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tamias_alpinus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_amoenus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_bulleri	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_canipes	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Tamias_cinereicollis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_dorsalis	*0*	*0*	*0*	*0*	*0*	*0.97669*	*0.02331*	*0*	*0*	*Nearctic*
Tamias_durangae	*0*	*0*	*0*	*0*	*0*	*0.936416*	*0.063584*	*0*	*0*	*Nearctic*
Tamias_merriami	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_minimus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_obscurus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_ochrogenys	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_palmeri	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_panamintinus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_quadrimaculatus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_quadrivittatus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_ruficaudus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_rufus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_senex	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_sibiricus	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Tamias_siskiyou	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_sonomae	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_speciosus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*

Tamias_striatus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_townsendii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamias_umbrinus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamiasciurus_douglasii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamiasciurus_hudsonicus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamiasciurus_mearnsi	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Tamiops_macclellandii	*0*	*0*	*0*	*0.929588*	*0*	*0*	*0*	*0*	*0.070412*	*Indo-Malay*
Tamiops_maritimus	*0*	*0*	*0*	*0.79227*	*0*	*0*	*0*	*0*	*0.20773*	*Indo-Malay*
Tamiops_rodolphii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tamiops_swinhoei	*0*	*0*	*0*	*0.200398*	*0*	*0*	*0*	*0*	*0.799602*	*Palearctic*
Tapecomys_primus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Taphozous_achates	*0*	*0*	*0.994741*	*0.005259*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Taphozous_australis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Taphozous_georgianus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Taphozous_hamiltoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Taphozous_hildegardeae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Taphozous_hilli	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Taphozous_kapalgensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Taphozous_longimanus	*0*	*0*	*0.006574*	*0.993417*	*0*	*0*	*0*	*0*	*8.95E-06*	*Indo-Malay*
Taphozous_mauritianus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Taphozous_melanopogon	*0*	*0*	*0.041493*	*0.923425*	*0*	*0*	*0*	*0*	*0.035082*	*Indo-Malay*
Taphozous_nudiventris	*0.217879*	*0*	*0*	*0.63888*	*0*	*0*	*0*	*0*	*0.143241*	*Indo-Malay*
Taphozous_perforatus	*0.597305*	*0*	*0*	*0.254194*	*0*	*0*	*0*	*0*	*0.148502*	*Afrotropic*
Taphozous_theobaldi	*0*	*0*	*8.73E-05*	*0.762263*	*0*	*0*	*0*	*0*	*0.23765*	*Indo-Malay*
Taphozous_troughtoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tapirus_bairdii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tapirus_indicus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tapirus_pinchaque	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tapirus_terrestris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tarsipes_rostratus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tarsius_bancanus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tarsius_dentatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tarsius_lariang	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Tarsius_pelengensis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tarsius_pumilus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tarsius_syrichta	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tarsius_tarsier	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tarsius_tumpara	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tarsius_wallacei	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tarsomys_apoensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tarsomys_echinatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tasmacetus_shepherdi	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Tateomys_macrocercus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tateomys_rhinogradoides	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Tatera_indica	*0*	*0*	*0*	*0.65444*	*0*	*0*	*0*	*0*	*0.34556*	*Indo-Malay*
Taterillus_arenarius	*0.887257*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.112743*	*Afrotropic*
Taterillus_congicus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Taterillus_emini	*0.986*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.014*	*Afrotropic*
Taterillus_gracilis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Taterillus_lacustris	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Taterillus_petteri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Taterillus_pygargus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Taterillus_tranieri	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Taxidea_taxus	*0*	*0*	*0*	*0*	*0*	*0.980822*	*0.019178*	*0*	*0*	*Nearctic*
Tayassu_pecari	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tenrec_ecaudatus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tetracerus_quadricornis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Thallomys_loringi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Thallomys_nigricauda	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Thallomys_paedulcus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Thallomys_shortridgei	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Thalpomys_cerradensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thalpomys_lasiotis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thamnomys_kempi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Thamnomys_schoutedeni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Thamnomys_venustus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Thaptomys_nigrita	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Theropithecus_gelada	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Thomasomys_apeco	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_aureus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_baeops	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_bombycinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_caudivarius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_cinereiventer	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_cinereus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_cinnameus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_daphne	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_eleusis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_erro	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_gracilis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_hudsoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_hylophilus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_incanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_ischyrus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_kalinowskii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_ladewi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Thomasomys_laniger	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_macrotis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_monochromos	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_niveipes	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_notatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_onkiro	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_oreas	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_paramorum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_popayanus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_praetor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_pyrrhonotus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_rhoadsi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_rosalinda	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_silvestris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_taczanowskii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_ucucha	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_vestitus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thomasomys_vulcani	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Thomomys_bottae	*0*	*0*	*0*	*0*	*0*	*0.983144*	*0.016856*	*0*	*0*	*Nearctic*
Thomomys_bulbivorus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Thomomys_clusius	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Thomomys_idahoensis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Thomomys_mazama	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Thomomys_monticola	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Thomomys_talpoides	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Thomomys_townsendii	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Thomomys_umbrinus	*0*	*0*	*0*	*0*	*0*	*0.72709*	*0.27291*	*0*	*0*	*Nearctic*
Thoopterus_nigrescens	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Thrichomys_apereoides	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thrichomys_inermis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thrichomys_pachyurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thryonomys_gregorianus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Thryonomys_swinderianus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Thylamys_cinderella	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thylamys_citellus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thylamys_elegans	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Thylamys_fenestrae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thylamys_karimii	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thylamys_macrurus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thylamys_pallidior	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thylamys_pulchellus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thylamys_pusillus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thylamys_sponsorius	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thylamys_tatei	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thylamys_velutinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thylamys_venustus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thylogale_billardierii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Thylogale_browni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Thylogale_brunii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Thylogale_calabyi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Thylogale_lanatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Thylogale_stigmatica	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Thylogale_thetis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Thyroptera_devivoi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Thyroptera_discifera	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thyroptera_lavali	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Thyroptera_tricolor	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tlacuatzin_canescens	*0*	*0*	*0*	*0*	*0*	*0.129015*	*0.870985*	*0*	*0*	*Neotropic*
Tokudaia_muennink i	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tokudaia_osimensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tokudaia_tokunoshimensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tolypeutes_matacus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tolypeutes_tricinctus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tomopeas_ravus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tonatia_bidens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tonatia_saurophila	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tonkinomys_daovantieni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Toromys_grandis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Trachops_cirrhosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Trachypithecus_auratus	*0*	*0*	*0.033793*	*0.966207*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Trachypithecus_barbei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Trachypithecus_cristatus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Trachypithecus_delacouri	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Trachypithecus_francoisi	*0*	*0*	*0*	*0.425687*	*0*	*0*	*0*	*0*	*0.574313*	*Palearctic*
Trachypithecus_geei	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Trachypithecus_germaini	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Trachypithecus_hatinhensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Trachypithecus_johnii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Trachypithecus_laotum	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Trachypithecus_obscurus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Trachypithecus_phayrei	*0*	*0*	*0*	*0.999675*	*0*	*0*	*0*	*0*	*0.000325*	*Indo-Malay*
Trachypithecus_pileatus	*0*	*0*	*0*	*0.998278*	*0*	*0*	*0*	*0*	*0.001722*	*Indo-Malay*
Trachypithecus_poliocephalus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Trachypithecus_shortridgei	*0*	*0*	*0*	*0.47497*	*0*	*0*	*0*	*0*	*0.52503*	*Palearctic*

Trachypithecus_vetulus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tragelaphus_angasii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tragelaphus_buxtoni	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tragelaphus_derbianus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tragelaphus_eurycerus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tragelaphus_imberbis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tragelaphus_oryx	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tragelaphus_scriptus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tragelaphus_spekii	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Tragelaphus_strepsiceros	*0.999598*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.000402*	*Afrotropic*
Tragulus_javanicus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tragulus_kanchil	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tragulus_napu	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tragulus_nigricans	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tragulus_versicolor	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tragulus_williamsoni	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Transandinomys_bolivaris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Transandinomys_talamancae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tremarctos_ornatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Triaenops_auritus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Triaenops_furculus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Triaenops_persicus	*0.945135*	*0*	*0*	*0.006646*	*0*	*0*	*0*	*0*	*0.048219*	*Afrotropic*
Triaenops_rufus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Trichechus_inunguis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Trichechus_manatus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Trichechus_senegalensis	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Trichosurus_caninus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Trichosurus_cunninghami	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Trichosurus_vulpecula	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Trichys_fasciculata	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Trinomys_albispinus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Trinomys_dimidiatus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Trinomys_eliasi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Trinomys_gratiosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Trinomys_iheringi	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Trinomys_mirapitanga	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Trinomys_moojeni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Trinomys_myosuros	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Trinomys_paratus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Trinomys_setosus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Trinomys_yonenagae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Trinycteris_nicefori	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Trogopterus_xanthipes	*0*	*0*	*0*	*0.009571*	*0*	*0*	*0*	*0*	*0.990429*	*Palearctic*
Tryphomys_adustus	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tscherskia_triton	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Tupaia_belangeri	*0*	*0*	*0*	*0.816102*	*0*	*0*	*0*	*0*	*0.183898*	*Indo-Malay*
Tupaia_chrysogaster	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tupaia_dorsalis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tupaia_glis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tupaia_gracilis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*

Tupaia_javanica	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tupaia_longipes	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tupaia_minor	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tupaia_montana	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tupaia_nicobarica	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tupaia_palawanensis	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tupaia_picta	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tupaia_splendidula	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tupaia_tana	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Tursiops_aduncus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Tursiops_truncatus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Tylomys_bullaris	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tylomys_fulviventer	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tylomys_mirae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tylomys_nudicaudus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Tylomys_panamensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tylomys_tumbalensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tylomys_watsoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Tylonycteris_pachypus	*0*	*0*	*0.001248*	*0.971301*	*0*	*0*	*0*	*0*	*0.027451*	*Indo-Malay*
Tylonycteris_robustula	*0*	*0*	*0.068125*	*0.930385*	*0*	*0*	*0*	*0*	*0.001491*	*Indo-Malay*
Tympanoctomys_barrerae	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Typhlomys_cinereus	*0*	*0*	*0*	*0.490332*	*0*	*0*	*0*	*0*	*0.509668*	*Palearctic*
Uranomys_ruddi	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Urocyon_cinereoargenteus	*0*	*0*	*0*	*0*	*0*	*0.838655*	*0.161345*	*0*	*0*	*Nearctic*
Urocyon_littoralis	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Uroderma_bilobatum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Uroderma_magnirostrum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Urogale_everetti	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Uromanis_tetradactyla	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Uromys_anak	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Uromys_boeadii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Uromys_caudimaculatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Uromys_emmae	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Uromys_hadrourus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Uromys_imperator	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Uromys_neobritannicus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Uromys_porculus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Uromys_rex	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Uromys_siebersi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Uropsilus_andersoni	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Uropsilus_gracilis	*0*	*0*	*0*	*0.175535*	*0*	*0*	*0*	*0*	*0.824465*	*Palearctic*
Uropsilus_investigator	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Uropsilus_soricipes	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Urotrichus_talpoides	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Ursus_americanus	*0*	*0*	*0*	*0*	*0*	*0.999285*	*0.000715*	*0*	*0*	*Nearctic*
Ursus_arctos	*0*	*0*	*0*	*0.00247*	*0*	*0.201105*	*0*	*0*	*0.796426*	*Palearctic*
Ursus_maritimus	*0*	*0*	*0*	*0*	*0*	*0.677155*	*0*	*0*	*0.322845*	*Nearctic*
Ursus_thibetanus	*0*	*0*	*0*	*0.402967*	*0*	*0*	*0*	*0*	*0.597033*	*Palearctic*
Vampyressa_bidens	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Vampyressa_brocki	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*

Vampyressa_melissa	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Vampyressa_nymphaea	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Vampyressa_pusilla	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Vampyressa_thyone	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Vampyrodes_caraccioli	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Vampyrum_spectrum	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Vandeleuria_nilagirica	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Vandeleuria_nolthenii	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Vandeleuria_oleracea	*0*	*0*	*0*	*0.989344*	*0*	*0*	*0*	*0*	*0.010656*	*Indo-Malay*
Varecia_rubra	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Varecia_variegata	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Vernaya_fulva	*0*	*0*	*0*	*0.203294*	*0*	*0*	*0*	*0*	*0.796706*	*Palearctic*
Vespadelus_baverstocki	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Vespadelus_caurinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Vespadelus_darlingtoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Vespadelus_douglasorum	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Vespadelus_finlaysoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Vespadelus_pumilus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Vespadelus_regulus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Vespadelus_troughtoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Vespadelus_vulturnus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Vespertilio_murinus	*0*	*0*	*0*	*0.000638*	*0*	*0*	*0*	*0*	*0.999362*	*Palearctic*
Vespertilio_sinensis	*0*	*0*	*0*	*0.017838*	*0*	*0*	*0*	*0*	*0.982162*	*Palearctic*
Vicugna_vicugna	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Viverra_civettina	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Viverra_megaspila	*0*	*0*	*0*	*0.954953*	*0*	*0*	*0*	*0*	*0.045047*	*Indo-Malay*
Viverra_tangalunga	*0*	*0*	*0.014838*	*0.985162*	*0*	*0*	*0*	*0*	*0*	*Indo-Malay*
Viverra_zibetha	*0*	*0*	*0*	*0.680031*	*0*	*0*	*0*	*0*	*0.319969*	*Indo-Malay*
Viverricula_indica	*0*	*0*	*0.000494*	*0.789846*	*0*	*0*	*0*	*0*	*0.20966*	*Indo-Malay*
Voalavo_antsahabensis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Voalavo_gymnocaudus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Volemys_millicens	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Volemys_musseri	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*

Vombatus_ursinus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Vormela_peregusna	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Vulpes_bengalensis	*0*	*0*	*0*	*0.946555*	*0*	*0*	*0*	*0*	*0.053445*	*Indo-Malay*
Vulpes_cana	*0.107536*	*0*	*0*	*0.000975*	*0*	*0*	*0*	*0*	*0.891488*	*Palearctic*
Vulpes_chama	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Vulpes_corsac	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*Palearctic*
Vulpes_ferrilata	*0*	*0*	*0*	*0.057573*	*0*	*0*	*0*	*0*	*0.942427*	*Palearctic*
Vulpes_macrotis	*0*	*0*	*0*	*0*	*0*	*0.994942*	*0.005058*	*0*	*0*	*Nearctic*
Vulpes_pallida	*0.895556*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.104444*	*Afrotropic*
Vulpes_rueppellii	*0.111043*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.888957*	*Palearctic*
Vulpes_velox	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Vulpes_vulpes	*0.005549*	*0*	*0*	*0.042171*	*0*	*0.269682*	*9.38E-06*	*0*	*0.682589*	*Palearctic*
Vulpes_zerda	*0.148822*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.851178*	*Palearctic*
Wallabia_bicolor	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Wiedomys_cerradensis	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Wiedomys_pyrrhorhinos	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Wilfredomys_oenax	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Wyulda_squamicaudata	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Xenomys_nelsoni	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Xenuromys_barbatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Xeromys_myoides	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Xeronycteris_vieirai	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Xerus_erythropus	*0.960903*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0.039097*	*Afrotropic*
Xerus_inauris	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Xerus_princeps	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Xerus_rutilus	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Zaedyus_pichiy	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Zaglossus_attenboroughi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Zaglossus_bartoni	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Zaglossus_bruijnii	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Zalophus_californianus	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Zalophus_wollebaeki	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Zapus_hudsonius	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Zapus_princeps	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Zapus_trinotatus	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*Nearctic*
Zelotomys_hildegardeae	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*

Zelotomys_woosnami	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Zenkerella_insignis	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*Afrotropic*
Ziphius_cavirostris	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*Marine*
Zygodontomys_brevicauda	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Zygodontomys_brunneus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Zygogeomys_trichopus	*0*	*0*	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*Neotropic*
Zyzomys_argurus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Zyzomys_maini	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Zyzomys_palatalis	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Zyzomys_pedunculatus	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*
Zyzomys_woodwardi	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*Australasia*

Figure S1: Model used to assign species to biogeographic realms using ArcGIS 10.0 (ESRI 2011). The blue circles represent input data, the orange hexagon is the iteration tool, the yellow rounded rectangles are ArcGIS tools, and the green circles are output data.

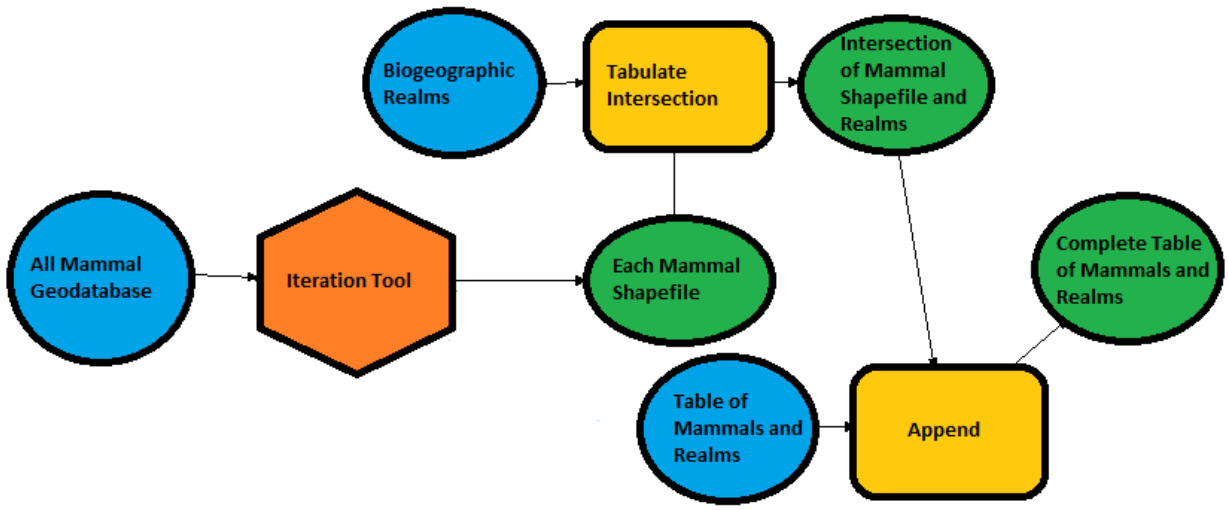
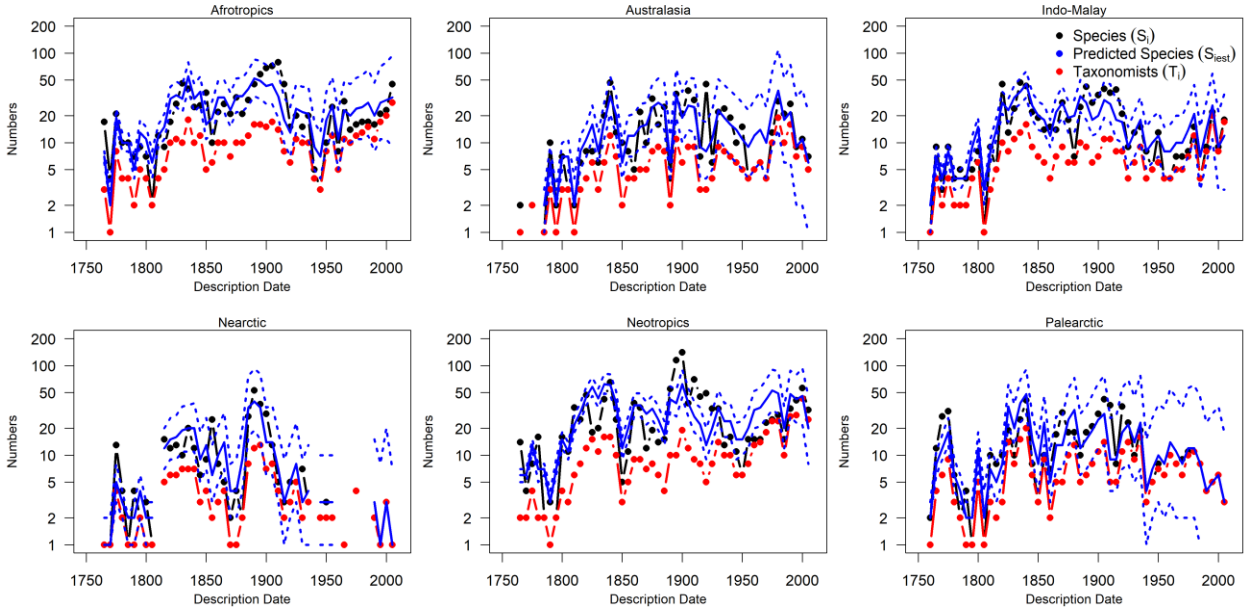


Figure S2: Species discovery curves for select biogeographic realms in which there was enough data for estimates to be made. Mammal species discovered per 5 year intervals on a log scale in each realm. The dashed blue lines represent the confidence interval around the estimated number of species in each five-year interval (S_{iest}).



APPENDIX B

SUPPORTING MATERIALS FOR CHAPTER 3

Phylogenetic Analyses

Methods

The following are specifics for the analyses generally described in the main text.

We chose to use the first 15 eigenvectors as together they explain just over 50% of the variance in mammalian phylogenetics and adding any more only increases the percent explained by miniscule amounts.

To test whether taxonomic categorization is a sufficient method for including phylogenetic information, we performed three GBM analyses. We compared the model which includes only mammalian order as the phylogenetic information with a model which included the first 15 phylogenetic eigenvectors as well as order, and a model which included only the phylogenetic eigenvectors without order.

Results

Table S1: The influence of variables on description date for three different models, each using a different combination of phylogenetic informers. PV stands for phylogenetic eigenvector.

	Using Order	Using PVs and Order	Using PVs
Order	14.25	4.32	-
Realm	8.18	4.74	5.21
Adult Body Mass (kg)	30.96	22.86	23.47
Litter Size	14.7	13.02	12.67
Geographic Range Area (km^2)	29.31	29.04	29.37
Mean Human Population Density (n/km2)	2.6	7.04	7.35
PV1	-	2.1	2.33
PV2	-	1.05	1.16
PV3	-	1.09	1.21
PV4	-	1.14	1.13
PV5	-	1.04	1.16
PV6	-	0.53	0.59
PV7	-	0.84	0.98
PV8	-	0.41	0.51
PV9	-	1.2	1.38
PV10	-	2	2.4
PV11	-	1.18	1.33
PV12	-	2.43	3.1
PV13	-	1.28	2.11
PV14	-	1.8	1.64
PV15	-	0.88	0.9
R^2	0.56	0.55	0.55

Other supporting materials

Table S2: Completeness of data for all species and each order investigated.

	All species	Primates	Carnivora	Artiodactyla	Chiroptera	Rodentia	Diprotodontia	Afrosoricida
Species	5562	421	288	244	1151	2313	145	53
Realm	5071	361	257	213	1051	2117	134	53
Adult Body Mass (kg)	3936	269	252	210	936	1461	123	44
Litter Size	2501	209	209	178	465	883	112	23
Geographic Range Area (km^2)	5110	371	280	233	1089	2074	135	51
Mean Human Population Density (n/km2)	4626	359	236	218	1064	1872	128	50

One advantage to using GBMs is that the machine learning process takes into account the relationship between all variables, rather than solely between the predictor and response variables. Although the GBM method is able to handle correlated predictor variables, we wanted to assess covariance and therefore we created a series of models with a different predictor variable as the response variable in each (Table S3).

Table S3: Generalized boosted regression models for all predictor variables.

	All Species	Order	Realm	Adult Body Mass (kg)	Litter Size	Geographic Range Area (km^2)	Human Population Density (n/km2^2)
Order	14.2493	99.9997	0	0.0000	0.0468	0.0050	0.0001
Realm	8.1804	0.0000	100	0.0000	0.0050	0.0007	0.0001
Adult Body Mass (kg)	30.9570	0.0001	0	99.9973	0.0418	0.0118	0.0004
Litter Size	14.7035	0.0000	0	0.0000	99.8649	0.0000	0.0006
Geographic Range Area (km^2)	29.3102	0.0002	0	0.0027	0.0227	99.9683	0.0001
Human Population Density (n/km2)	2.5996	0.0000	0	0.0000	0.0188	0.0141	99.9986
R^2	0.5583	NA	NA	0.9998	0.9948	0.9940	0.9999

Table S4: The influence of an incomplete dataset. Generalized boosted regression models for selected predictor variables.

	All species included	Only complete species included
Order	14.25	21.87
Realm	8.18	6.28
Adult Body Mass (kg)	30.96	21.55
Litter Size	14.70	6.34
Geographic Range Area (km^2)	29.31	32.97
Mean Human Population Density (n/km2)	2.60	10.98
R^2	0.56	0.53

APPENDIX C

SUPPORTING MATERIALS FOR CHAPTER 4

Table S1: List of all specimens and the traits investigated

Specimen ID	Museum	Genus	Species	Description Date	Taxonomist	Geographic Range Size	Adult Body Mass	Latitude	Longitude	Realm	Biome	Human Population Density
217808	USNM	Echiothrix	Echiothrix_leucura	1867	478	9.646925521	6.033119392	0.895	124.441388	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
217906	USNM	Echiothrix	Echiothrix_leucura	1867	478	9.646925521	5.977383701	0.895	124.441388	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
154881	FMNH	Bullimus	Bullimus_gamay	2002	855	NA	5.843544417	9.18	124.72	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
217804	USNM	Echiothrix	Echiothrix_leucura	1867	478	9.646925521	5.883253716	0.895	124.441388	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
219742	USNM	Echiothrix	Echiothrix_leucura	1867	478	9.646925521	5.859902712	-1.6	120.033333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
200266	USNM	Echiothrix	Echiothrix_leucura	1867	478	9.646925521	5.728190327	15.583333	32.533333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
43409	FMNH	Echiothrix	Echiothrix_leucura	1867	478	9.646925521	5.720995436	0.8	122.916656	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
219738	USNM	Echiothrix	Echiothrix_leucura	1867	478	9.646925521	5.706965896	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA

217802	USNM	Echiothrix	Echiothrix_leucura	1867	478	9.646925521	5.671553387	0.895	124.444138	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
219751	USNM	Echiothrix	Echiothrix_leucura	1867	478	9.646925521	5.644017179	-1	121	NA	NA	NA
217807	USNM	Echiothrix	Echiothrix_leucura	1867	478	9.646925521	5.605558558	0.895	124.444138	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
154823	FMNH	Bullimus	Bullimus_gamay	2002	855	NA	5.459585514	9.18	124.72	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
167886	FMNH	Bullimus	Bullimus_gamay	2002	855	NA	5.372099736	9.15	124.72	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
154135	USNM	Meriones	Meriones_grandis	1907	129	13.47431973	5.272653873	31.6295	7.9811	Palearctic	Deserts and Xeric Shrublands	NA
474203	USNM	Meriones	Meriones_grandis	1907	129	13.47431973	5.429345629	30.7	-8.3	Palearctic	Mediterranean Forests, Woodlands and Scrub	NA
474157	USNM	Meriones	Meriones_grandis	1907	129	13.47431973	5.214935758	30.7	-8.3	Palearctic	Mediterranean Forests, Woodlands and Scrub	NA
474297	USNM	Meriones	Meriones_grandis	1907	129	13.47431973	5.117993812	31.38	-8.8	Palearctic	Mediterranean Forests, Woodlands and Scrub	NA
16694	FMNH	Otomys	Otomys_orestes	1900	991	NA	5.043240827	0.133333333	35.96666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
474255	USNM	Meriones	Meriones_grandis	1907	129	13.47431973	5.313205979	30.33	-9.83	NA	NA	NA

154821	FMNH	Bullimus	Bullimus_gamay	2002	855	NA	5.886104031	9.18	124.72	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
16699	FMNH	Otomys	Otomys_orestes	1900	991	NA	5.016538904	0.13333333	35.96666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
43819	FMNH	Otomys	Otomys_orestes	1900	991	NA	5.001861221	-0.165501	37.185842	Afrotropic	Montane Grasslands and Shrublands	NA
16693	FMNH	Otomys	Otomys_orestes	1900	991	NA	4.940604623	0.13333333	35.96666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
16695	FMNH	Otomys	Otomys_orestes	1900	991	NA	4.912135908	0.13333333	35.96666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
486080	USNM	Meriones	Meriones_grandis	1907	129	13.47431973	4.8978398	28.77	-10.23	Palearctic	Mediterranean Forests, Woodlands and Scrub	NA
474034	USNM	Meriones	Meriones_grandis	1907	129	13.47431973	4.753590191	28.47	-11.15	Palearctic	Mediterranean Forests, Woodlands and Scrub	NA
473719	USNM	Meriones	Meriones_grandis	1907	129	13.47431973	4.852030264	28.88	-10.23	Palearctic	Mediterranean Forests, Woodlands and Scrub	NA
43444	FMNH	Otomys	Otomys_orestes	1900	991	NA	4.651690159	-0.165501	37.185842	Afrotropic	Montane Grasslands and Shrublands	NA
474059	USNM	Meriones	Meriones_grandis	1907	129	13.47431973	4.499800967	29.82	-9.65	Palearctic	Mediterranean Forests, Woodlands and Scrub	NA
474114	USNM	Meriones	Meriones_grandis	1907	129	13.47431973	4.477336814	34.27	-3.28	Palearctic	Mediterranean Forests, Woodlands and Scrub	NA

148180	FMNH	Limnomys	Limnomys_bryophilus	2003	855	NA	4.060443011	8.158333333	124.85	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
589995	USNM	Otomys	Otomys_orestes	1900	991	NA	4.477336814	-0.2	36.54	Afrotropic	Montane Grasslands and Shrublands	NA
148056	FMNH	Limnomys	Limnomys_bryophilus	2003	855	NA	4.290459441	8.125	124.93	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
148058	FMNH	Limnomys	Limnomys_bryophilus	2003	855	NA	4.382026635	8.125	124.93	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
184042	USNM	Otomys	Otomys_dollmani	1912	412	NA	4.445830182	0.95	37.4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
43446	FMNH	Otomys	Otomys_orestes	1900	991	NA	4.441739971	-0.165501	37.185842	Afrotropic	Montane Grasslands and Shrublands	NA
357443	USNM	Paramelomys	Paramelomys_gressitti	1996	668	NA	4.436689285	-7.365242481	146.664435	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
148182	FMNH	Limnomys	Limnomys_bryophilus	2003	855	NA	4.158883083	8.158333333	124.85	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
43821	FMNH	Otomys	Otomys_orestes	1900	991	NA	4.358880142	-0.165501	37.185842	Afrotropic	Montane Grasslands and Shrublands	NA

35748 9	US NM	Param elomys	Paramelomy s_gressitti	1996	668	NA	4.3363 32233	- 7.365 24	146.6 64	Aust ralas ia	Tropical and Subtropical Moist Broadleaf Forests	NA
35744 5	US NM	Param elomys	Paramelomy s_gressitti	1996	668	NA	4.3334 49374	- 7.365 24	146.6 64	Aust ralas ia	Tropical and Subtropical Moist Broadleaf Forests	NA
18404 4	US NM	Otomy s	Otomys_dol lmani	1912	412	NA	4.3066 45667	0.95	37.4	Afro trop ic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
14818 1	FM NH	Limno mys	Limnomys_b ryophilus	2003	855	NA	3.9889 84047	8.158 3333 33	124.8 5	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	NA
14797 8	FM NH	Limno mys	Limnomys_b ryophilus	2003	855	NA	4.0430 51268	8.158 3333 33	124.8 5	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	NA
35744 4	US NM	Param elomys	Paramelomy s_gressitti	1996	668	NA	4.2493 57369	- 7.365 24	146.6 64	Aust ralas ia	Tropical and Subtropical Moist Broadleaf Forests	NA
76562	FM NH	Hadro mys	Hadromys_ humei	1886	991	7.626072 876	4.2482 24448	25.3	94.05	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	NA
14797 7	FM NH	Limno mys	Limnomys_b ryophilus	2003	855	NA	3.9889 84047	8.158 3333 33	124.8 5	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	NA
18404 6	US NM	Otomy s	Otomys_dol lmani	1912	412	NA	4.2030 94632	0.95	37.4	Afro trop ic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
15100 1	AM NH	Rattus	Rattus_arro gans	1922	991	9.410073 362	4.1968 93415	- 3.974	138.6 6782 1	Aust ralas ia	Tropical and Subtropical Moist Broadleaf Forests	NA

								936018				
150884	AMNH	Rattus	Rattus_arrogans	1922	991	9.410073362	4.186768801	-4.02262986	138.782157	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
152142	AMNH	Rattus	Rattus_pococki	1941	246	11.08562752	4.163509923	-2.9073	138.4491	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
42625	FMNH	Lophuromys	Lophuromys_roseveari	1997	1049	NA	4.159237069	4.2	9.18333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
42623	FMNH	Lophuromys	Lophuromys_roseveari	1997	1049	NA	4.135165844	4.2	9.18333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
208489	FMNH	Lophuromys	Lophuromys_verhageni	2002	1076	NA	4.094344562	-3.242	36.78736	Afrotropic	Montane Grasslands and Shrublands	NA
184041	USNM	Otomys	Otomys_dollmani	1912	412	NA	4.125641919	0.95	37.4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
152121	AMNH	Rattus	Rattus_pococki	1941	246	11.08562752	4.120104741	-2.9073	138.4491	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
150900	AMNH	Rattus	Rattus_arrogans	1922	991	9.410073362	4.115970535	-4.02262986	138.782157	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
110434	AMNH	Rattus	Rattus_arrogans	1922	991	9.410073362	4.108445093	-4.17295829	138.770033	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA

208485	FMNH	Lophuromys	Lophuromys_verhageni	2002	1076	NA	4.007333185	-3.21609	36.76897	Afrotropic	Montane Grasslands and Shrublands	NA
42626	FMNH	Lophuromys	Lophuromys_roseveari	1997	1049	NA	4.076107291	4.2	9.18333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
208484	FMNH	Lophuromys	Lophuromys_verhageni	2002	1076	NA	4.110873864	-3.2235	36.78675	Afrotropic	Montane Grasslands and Shrublands	NA
208483	FMNH	Lophuromys	Lophuromys_verhageni	2002	1076	NA	3.951243719	-3.2235	36.78675	Afrotropic	Montane Grasslands and Shrublands	NA
48655	FMNH	Lophuromys	Lophuromys_verhageni	2002	1076	NA	4.047692667	-3.23333	35.75	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
184043	USNM	Otomys	Otomys_dollmani	1912	412	NA	4.047019899	0.95	37.4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
152125	AMNH	Rattus	Rattus_pococki	1941	246	11.08562752	4.046756	-2.9073	138.4491	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
110429	AMNH	Rattus	Rattus_arrogans	1922	991	9.410073362	4.043428512	-4.17295829	138.770043	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
208488	FMNH	Lophuromys	Lophuromys_verhageni	2002	1076	NA	3.951243719	-3.242	36.78736	Afrotropic	Montane Grasslands and Shrublands	NA
152137	AMNH	Rattus	Rattus_pococki	1941	246	11.08562752	4.021649386	-2.9073	138.4491	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
190640	FMNH	Lophuromys	Lophuromys_zena	1909	225	NA	3.988984047	-0.383283	36.70655	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA

190642	FMNH	Lophuromys	Lophuromys_zena	1909	225	NA	4.011878368	-0.383283	36.70655	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
150935	AMNH	Rattus	Rattus_arrogans	1922	991	9.410073362	4.006406761	-3.97493601818	138.667821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
208490	FMNH	Lophuromys	Lophuromys_verhageni	2002	1076	NA	3.970291914	-3.242	36.78736	Afrotropic	Montane Grasslands and Shrublands	NA
110427	AMNH	Rattus	Rattus_arrogans	1922	991	9.410073362	3.980353201	-4.17295822929	138.770043	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
190639	FMNH	Lophuromys	Lophuromys_zena	1909	225	NA	3.988984047	-0.383283	36.70655	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
110242	AMNH	Rattus	Rattus_pococki	1941	246	11.08562752	3.922373386	-4.416667	138.983333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
152131	AMNH	Rattus	Rattus_pococki	1941	246	11.08562752	3.906571959	-2.9073	138.4491	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
208482	FMNH	Lophuromys	Lophuromys_verhageni	2002	1076	NA	4.007333185	-3.23333	35.75	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
190390	FMNH	Lophuromys	Lophuromys_zena	1909	225	NA	3.951243719	-0.383283	36.70655	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
148841	FMNH	Praomys	Praomys_degraaffi	1999	1033	NA	3.806606249	-2.95	29.506944 44	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA

207839	FMNH	Praomys	Praomys_degraaffi	1999	1033	NA	3.912023005	-2.570164	29.075348	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
152132	AMNH	Rattus	Rattus_pococki	1941	246	11.08562752	3.866759896	-2.9073	138.4491	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
110205	AMNH	Rattus	Rattus_pococki	1941	246	11.08562752	3.862751814	-4.416667	138.983333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
76567	FMNH	Hadromys	Hadromys_humei	1886	991	7.626072876	3.836830348	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
110438	AMNH	Rattus	Rattus_arrogans	1922	991	9.410073362	3.833014602	-4.172958229	138.770043	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
190396	FMNH	Lophuromys	Lophuromys_zena	1909	225	NA	3.850147602	-0.383283	36.70655	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
152139	AMNH	Rattus	Rattus_pococki	1941	246	11.08562752	3.830672685	-2.9073	138.4491	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
152140	AMNH	Rattus	Rattus_pococki	1941	246	11.08562752	3.822765943	-2.9073	138.4491	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
190637	FMNH	Lophuromys	Lophuromys_zena	1909	225	NA	3.808113713	-0.383283	36.70655	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
151093	AMNH	Rattus	Rattus_arrogans	1922	991	9.410073362	3.801875816	-3.974936018	138.667821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA

137974	FMNH	Praomys	Praomys_degraaffi	1999	1033	NA	3.951243719	-0.0533333	0.495	NA	NA	NA
48659	FMNH	Lophuromys	Lophuromys_verhageni	2002	1076	NA	3.779651118	-3.23333	35.75	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
110196	AMNH	Melomys	Melomys_frigicola	1951	982	7.897783145	3.77371181	-4.416667	138.98333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
190638	FMNH	Lophuromys	Lophuromys_zena	1909	225	NA	3.784189634	-0.383283	36.70655	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
516084	USNM	Acomys	Acomys_cineraceus	1877	421	13.86385562	3.764836189	8.53	39.27	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
585628	USNM	Melomys	Melomys_lutillus	1913	991	12.73876871	3.756052102	-5.2831	142.4981	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
151076	AMNH	Melomys	Melomys_frigicola	1951	982	7.897783145	3.744797858	-3.974936018	138.667821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
454321	USNM	Acomys	Acomys_cineraceus	1877	421	13.86385562	3.258096538	12.17	0.93	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
438769	USNM	Acomys	Acomys_cineraceus	1877	421	13.86385562	3.496507561	10.87	0.22	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
151030	AMNH	Melomys	Melomys_frigicola	1951	982	7.897783145	3.710031263	-3.974936018	138.667821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA

420900	USNM	Acomys	Acomys_cineraceus	1877	421	13.86385562	3.555348061	10.97	-2.68	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
207846	FMNH	Praomys	Praomys_degraaffi	1999	1033	NA	3.583518938	-2.570164	29.075348	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
110211	AMNH	Melomys	Melomys_frigicola	1951	982	7.897783145	3.657946763	-4.416667	138.983333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
161129	FMNH	Praomys	Praomys_degraaffi	1999	1033	NA	3.688879454	-0.2445	0.48333333	NA	NA	NA
148834	FMNH	Praomys	Praomys_degraaffi	1999	1033	NA	3.401197382	-2.95	29.506944	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
137960	FMNH	Praomys	Praomys_degraaffi	1999	1033	NA	3.713572067	-0.053333333	0.4925	NA	NA	NA
151081	AMNH	Melomys	Melomys_frigicola	1951	982	7.897783145	3.562126404	-3.974936018	138.667821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
585634	USNM	Melomys	Melomys_lutillus	1913	991	12.73876871	3.545583678	-5.2831	142.4981	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
482665	USNM	Acomys	Acomys_cineraceus	1877	421	13.86385562	3.401197382	17.03	8.03	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
110203	AMNH	Melomys	Melomys_frigicola	1951	982	7.897783145	3.537262936	-4.416667	138.983333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA

376129	USNM	Acomys	Acomys_cineraceus	1877	421	13.86385562	3.496507561	9.383333333	9.566666667	Afrotropic	Montane Grasslands and Shrublands	NA
585505	USNM	Melomys	Melomys_lutillus	1913	991	12.73876871	3.518810894	-5.2831	142.4981	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
585631	USNM	Melomys	Melomys_lutillus	1913	991	12.73876871	3.512099921	-5.2831	142.4981	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
151090	AMNH	Melomys	Melomys_frigicola	1951	982	7.897783145	3.497746209	-3.974936018	138.667821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
110201	AMNH	Melomys	Melomys_frigicola	1951	982	7.897783145	3.497746209	-4.416667	138.983333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
190655	FMNH	Rhabdomys	Rhabdomys_dilectus	1897	201	NA	3.761200116	-0.383283	36.70655	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
160863	FMNH	Praomys	Praomys_degraaffi	1999	1033	NA	3.624340933	-1.033333333	0.483333333	NA	NA	NA
189045	FMNH	Praomys	Praomys_degraaffi	1999	1033	NA	3.367295583	-4.59068	29.05353	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
208662	FMNH	Rhabdomys	Rhabdomys_dilectus	1897	201	NA	3.749504076	-3.242	36.78736	Afrotropic	Montane Grasslands and Shrublands	NA
204989	FMNH	Rhabdomys	Rhabdomys_dilectus	1897	201	NA	3.688879454	-9.0693	33.96063	Afrotropic	Montane Grasslands and Shrublands	NA

189040	FMNH	Praomys	Praomys_degraaffi	1999	1033	NA	3.526360525	-0.10013	29.44039	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
585506	USNM	Melomys	Melomys_lutillus	1913	991	12.73876871	3.444343557	-5.231	142.532	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
204972	FMNH	Rhabdomys	Rhabdomys_dilectus	1897	201	NA	3.784189634	-9.0693	33.96063	Afrotropic	Montane Grasslands and Shrublands	NA
211645	FMNH	Rhabdomys	Rhabdomys_dilectus	1897	201	NA	3.713572067	-10.58064	33.80792	Afrotropic	Montane Grasslands and Shrublands	NA
436240	USNM	Acomys	Acomys_cineraceus	1877	421	13.86385562	3.33220451	10.87	-0.87	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
211616	FMNH	Rhabdomys	Rhabdomys_dilectus	1897	201	NA	3.367295583	-10.58844	33.81117	Afrotropic	Montane Grasslands and Shrublands	NA
208486	FMNH	Lophuromys	Lophuromys_verhageni	2002	1076	NA	3.688879454	-3.21609	36.76897	Afrotropic	Montane Grasslands and Shrublands	NA
150951	AMNH	Melomys	Melomys_frigicola	1951	982	7.897783145	3.313497742	-3.974936018	138.667821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
585504	USNM	Melomys	Melomys_lutillus	1913	991	12.73876871	3.270261331	-5.2831	142.4981	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
422425	USNM	Acomys	Acomys_cineraceus	1877	421	13.86385562	3.295836866	11.3	2.43	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
190535	FMNH	Rhabdomys	Rhabdomys_dilectus	1897	201	NA	3.184504907	-0.239	36.708683 33	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA

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204979	FMNH	Rhabdomys	Rhabdomys_dilectus	1897	201	NA	3.449987546	-9.0693	33.96063	Afrotropic	Montane Grasslands and Shrublands	NA
110209	AMNH	Melomys	Melomys_frigicola	1951	982	7.897783145	3.151158846	-4.416667	138.983333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
28999	FMNH	Acomys	Acomys_cineraceus	1877	421	13.86385562	3.140832451	13.63333	27.52092	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
190654	FMNH	Rhabdomys	Rhabdomys_dilectus	1897	201	NA	3.157000421	-0.239433	36.708683	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
208657	FMNH	Rhabdomys	Rhabdomys_dilectus	1897	201	NA	3.465735903	-3.242	36.78736	Afrotropic	Montane Grasslands and Shrublands	NA
585635	USNM	Melomys	Melomys_lutillus	1913	991	12.73876871	3.007799179	-5.2831	142.4981	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
585629	USNM	Melomys	Melomys_lutillus	1913	991	12.73876871	2.891383845	-5.2831	142.4981	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
28998	FMNH	Acomys	Acomys_cineraceus	1877	421	13.86385562	2.583410566	13.7	25.33333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
99501	FMNH	Vandeleuria	Vandeleuria_nilagirica	1867	493	7.83997841	2.249297143	7.3	80.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
72073	LACM	Rattus	Rattus_rattus	1758	606	17.1558933	3.912023005	-1.5333333	37.266666 7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA

M003374	UBCBM	Mus	Mus_musculus	1758	606	18.24993585	2.975529566	68.22	-135.0087	Nearctic	Boreal Forests/Taiga	NA
M003375	UBCBM	Mus	Mus_musculus	1758	606	18.24993585	3.135494216	68.22	-135.0087	Nearctic	Boreal Forests/Taiga	NA
M003376	UBCBM	Mus	Mus_musculus	1758	606	18.24993585	3.33220451	68.22	-135.0087	Nearctic	Boreal Forests/Taiga	NA
M003377	UBCBM	Mus	Mus_musculus	1758	606	18.24993585	3.349904087	68.22	-135.0087	Nearctic	Boreal Forests/Taiga	NA
M003373	UBCBM	Mus	Mus_musculus	1758	606	18.24993585	2.674148649	68.22	-135.0087	Nearctic	Boreal Forests/Taiga	NA
284825	MSB	Mus	Mus_musculus	1758	606	18.24993585	2.302585093	60.3874	-151.295916 7	Nearctic	Boreal Forests/Taiga	NA
M008435	UBCBM	Rattus	Rattus_rattus	1758	606	17.1558933	5.442417711	54.191944	-133.0008333	NA	NA	NA
M007950	UBCBM	Rattus	Rattus_rattus	1758	606	17.1558933	5.501258211	52.670556	-131.570556	Nearctic	Temperate Conifer Forests	NA
M001989	UBCBM	Rattus	Rattus_rattus	1758	606	17.1558933	5.267858159	52.073633	-131.031034	Nearctic	Temperate Conifer Forests	NA
M001995	UBCBM	Rattus	Rattus_rattus	1758	606	17.1558933	5.298317367	52.073633	-131.0	Nearctic	Temperate Conifer Forests	NA

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M001982	UBCBM	Rattus	Rattus_rattus	1758	606	17.1558933	4.955827058	52.073633	-131.031034	Nearctic	Temperate Conifer Forests	NA
M001994	UBCBM	Rattus	Rattus_rattus	1758	606	17.1558933	5.204006687	52.073633	-131.031034	Nearctic	Temperate Conifer Forests	NA
UAZ21774	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.674148649	50.25	13.166667	Palearctic	Temperate Broadleaf and Mixed Forests	NA
UAZ21773	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.833213344	48.660964	19.390091	Palearctic	Temperate Broadleaf and Mixed Forests	NA
81-213	CRCM	Mus	Mus_musculus	1758	606	18.24993585	3.169685581	47.013118 1	-120.738837	Nearctic	Temperate Conifer Forests	NA
80-202	CRCM	Rattus	Rattus_norvegicus	1769	87	16.76978913	3.723280881	46.736092 27	-117.172781	Nearctic	Deserts and Xeric Shrublands	NA
111495	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.833213344	42.842222 2	75.223333 3	Palearctic	Deserts and Xeric Shrublands	NA
111497	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.302585093	42.842222 2	75.223333 3	Palearctic	Deserts and Xeric Shrublands	NA
111496	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.302585093	42.842222 2	75.223333 3	Palearctic	Deserts and Xeric Shrublands	NA

112647	TTU	Rattus	Rattus_norvegicus	1769	87	16.76978913	4.356708827	42.842222	75.223333	Palearctic	Deserts and Xeric Shrublands	NA
111506	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.753660712	42.834777 8	75.216722 2	Palearctic	Deserts and Xeric Shrublands	NA
111502	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.727852828	42.834777 8	75.216722 2	Palearctic	Deserts and Xeric Shrublands	NA
111501	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.803360381	42.834777 8	75.216722 2	Palearctic	Deserts and Xeric Shrublands	NA
111503	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.639005733	42.834777 8	75.216722 2	Palearctic	Deserts and Xeric Shrublands	NA
111508	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.639005733	42.834777 8	75.216722 2	Palearctic	Deserts and Xeric Shrublands	NA
111507	TTU	Mus	Mus_musculus	1758	606	18.24993585	3.063390922	42.834777 8	75.216722 2	Palearctic	Deserts and Xeric Shrublands	NA
111505	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.370243741	42.834777 8	75.216722 2	Palearctic	Deserts and Xeric Shrublands	NA
111504	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.312535424	42.834777 8	75.216722 2	Palearctic	Deserts and Xeric Shrublands	NA
111498	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.895911938	42.154527 8	77.056305 6	Palearctic	Temperate Grasslands, Savannas and Shrublands	NA
111499	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.322338772	42.154527 8	77.056305 6	Palearctic	Temperate Grasslands, Savannas and Shrublands	NA

UAZ 06229	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.401197382	41.774121	-89.598945	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
128696	MSB	Mus	Mus_musculus	1758	606	18.24993585	2.493205453	39.847208 7	-105.91167 97	Nearctic	Temperate Conifer Forests	NA
UAZ 13595	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.468099531	39.844396	-75.3	Nearctic	Temperate Broadleaf and Mixed Forests	NA
UAZ 18512	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.639055733	39.595912	-77.55083	Nearctic	Temperate Broadleaf and Mixed Forests	NA
UAZ 18513	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.639055733	39.595912	-77.55083	Nearctic	Temperate Broadleaf and Mixed Forests	NA
UAZ 18511	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.708050201	39.595912	-77.55083	Nearctic	Temperate Broadleaf and Mixed Forests	NA
M0374	KSTC	Mus	Mus_musculus	1758	606	18.24993585	3.049273 04	38.49608	-96.33843	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
M0177	KSTC	Rattus	Rattus_norvegicus	1769	87	16.76978913	6.176698525	38.48748	-96.18084	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
M0072	KSTC	Rattus	Rattus_norvegicus	1769	87	16.76978913	4.717605615	38.48732	-95.61161	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
M0431	KSTC	Mus	Mus_musculus	1758	606	18.24993585	2.873556464	38.41448	-96.17989	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
M0309	KSTC	Rattus	Rattus_norvegicus	1769	87	16.76978913	5.068904202	38.41448	-96.17989	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA

M0313	KSTC	Mus	Mus_musculus	1758	606	18.24993585	2.809402695	38.41062	-96.17921	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
M0421	KSTC	Mus	Mus_musculus	1758	606	18.24993585	2.674148649	38.41062	-96.17921	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
M0116	KSTC	Mus	Mus_musculus	1758	606	18.24993585	2.163323026	38.41062	-96.17921	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
M0118	KSTC	Mus	Mus_musculus	1758	606	18.24993585	1.791759469	38.41062	-96.17921	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
M0117	KSTC	Mus	Mus_musculus	1758	606	18.24993585	1.808288771	38.41062	-96.17921	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
M0312	KSTC	Mus	Mus_musculus	1758	606	18.24993585	2.639005733	38.41062	-96.17921	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
M0311	KSTC	Mus	Mus_musculus	1758	606	18.24993585	2.970414466	38.41062	-96.17921	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
M0176	KSTC	Rattus	Rattus_norvegicus	1769	87	16.76978913	5.017279837	38.41062	-96.17921	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
M0314	KSTC	Mus	Mus_musculus	1758	606	18.24993585	3.086486637	38.38945	-98.58272	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
AA0015	KSTC	Rattus	Rattus_norvegicus	1769	87	16.76978913	5.986452005	38.38452	-96.17883	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
90013	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.282382386	38.0537	-97.9357	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA

UAZ 17338	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.08190997	37.986778	-121.308109	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
UAZ 17323	UAZ	Rattus	Rattus_norvegicus	1769	87	16.76978913	6.510258341	37.912786	-121.184067	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
49511	LACM	Mus	Mus_musculus	1758	606	18.24993585	3.091042453	35.272468 9	-117.984692 2	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 06786	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.157000421	35.24944	-112.19028	Nearctic	Temperate Conifer Forests	NA
127470	MSB	Mus	Mus_musculus	1758	606	18.24993585	1.568615918	35.130453	-106.683718	Nearctic	Temperate Conifer Forests	NA
275561	MSB	Mus	Mus_musculus	1758	606	18.24993585	2.862200881	35.117222	-106.501389	Nearctic	Temperate Conifer Forests	NA
275560	MSB	Mus	Mus_musculus	1758	606	18.24993585	3.063390922	35.117188	-106.501434	Nearctic	Temperate Conifer Forests	NA
275562	MSB	Mus	Mus_musculus	1758	606	18.24993585	1.987874348	35.090095	-106.593346	Nearctic	Temperate Conifer Forests	NA
127476	MSB	Mus	Mus_musculus	1758	606	18.24993585	2.322338772	35.075545	-106.6	Nearctic	Temperate Conifer Forests	NA

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127471	MSB	Mus	Mus_musculus	1758	606	18.24993585	0.587786665	35.05779	-106.669449	Nearctic	Temperate Conifer Forests	NA
127482	MSB	Mus	Mus_musculus	1758	606	18.24993585	2.541601993	35.027123	-106.673161	Nearctic	Temperate Conifer Forests	NA
127480	MSB	Mus	Mus_musculus	1758	606	18.24993585	1.808288771	35.027123	-106.673161	Nearctic	Temperate Conifer Forests	NA
127481	MSB	Mus	Mus_musculus	1758	606	18.24993585	2.493205453	35.027123	-106.673161	Nearctic	Temperate Conifer Forests	NA
127370	MSB	Mus	Mus_musculus	1758	606	18.24993585	1.945910149	35.027123	-106.673161	Nearctic	Temperate Conifer Forests	NA
127469	MSB	Mus	Mus_musculus	1758	606	18.24993585	1.410986974	35.020492	-106.672307	Nearctic	Temperate Conifer Forests	NA
49510	LACM	Mus	Mus_musculus	1758	606	18.24993585	3.068052935	34.805887 9	-118.183876 8	Nearctic	Deserts and Xeric Shrublands	NA
49509	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	34.805887 9	-118.183876 8	Nearctic	Deserts and Xeric Shrublands	NA

49632	LACM	Mus	Mus_musculus	1758	606	18.24993585	3.010620886	34.7878	-118.1286	Nearctic	Deserts and Xeric Shrublands	NA
UAZ03507	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.912350665	34.585367	-112.561114	Nearctic	Deserts and Xeric Shrublands	NA
77097	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	34.196228	-100.581275959	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
76922	TTU	Mus	Mus_musculus	1758	606	18.24993585	1.945910149	34.196228	-100.581275959	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
77084	TTU	Mus	Mus_musculus	1758	606	18.24993585	1.945910149	34.196228	-100.581275959	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
91439	LACM	Rattus	Rattus_rattus	1758	606	17.1558933	4.727387819	34.1833	-118.2	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
91489	LACM	Mus	Mus_musculus	1758	606	18.24993585	3.020424886	34.1033	-118.2411	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
91492	LACM	Mus	Mus_musculus	1758	606	18.24993585	3.126760536	34.0994	-118.2411	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
91491	LACM	Mus	Mus_musculus	1758	606	18.24993585	3.063390922	34.0994	-118.2411	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
91490	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.459588842	34.0994	-118.2411	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA

87479	LACM	Rattus	Rattus_rattus	1758	606	17.1558933	3.265759411	34.073936	-118.455612	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
90057	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.351375257	34.05556	-117.18167	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
87823	LACM	Mus	Mus_musculus	1758	606	18.24993585	1.791759469	34.016918 2	-118.287733	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
96020	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.4765384	34.0013	-118.3657	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
77066	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.890371758	33.984481 8	-101.337631 2	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
77064	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.833213344	33.984481 8	-101.337631 2	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
77068	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.772588722	33.984481 8	-101.337631 2	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
77063	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.564949357	33.984481 8	-101.337631 2	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
77062	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.484900665	33.984481 8	-101.337631 2	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA

77050	TTU	Mus	Mus_musculus	1758	606	18.24993585	3.17805383	33.984481	-101.336312	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
77047	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.833213344	33.984481	-101.336312	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
77065	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.772588722	33.984481	-101.336312	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
77046	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.833213344	33.984481	-101.336312	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
77067	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.772588722	33.984481	-101.336312	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
90398	LACM	Rattus	Rattus_rattus	1758	606	17.1558933	5.712081277	33.880589 2	-117.854092	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84328	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.674148649	33.753074 2	-118.377864	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84329	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.564949357	33.753074 2	-118.377864	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA

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84330	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.351375257	33.753074 2	-118.377816 4	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84339	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.564949357	33.753074 2	-118.377816 4	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84336	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.587764035	33.753074 2	-118.377816 4	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84338	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.476384	33.753074 2	-118.377816 4	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84326	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.251291799	33.753074 2	-118.377816 4	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84334	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.351375257	33.753074 2	-118.377816 4	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84340	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.128231706	33.753074 2	-118.377816 4	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84331	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.140066163	33.753074 2	-118.377816 4	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA

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84337	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.653241965	33.753074 2	-118.378164	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84327	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.484900665	33.753074 2	-118.378164	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84332	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	33.753074 2	-118.378164	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84333	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.197224577	33.753074 2	-118.378164	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84335	LACM	Mus	Mus_musculus	1758	606	18.24993585	1.960094784	33.753074 2	-118.378164	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
84325	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.140066163	33.753074 2	-118.378164	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
89144	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.525728644	33.737893 1	-118.076973 7	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
89142	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.351375257	33.737893 1	-118.076973 7	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA

89143	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.140066163	33.737893	-118.076973	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
88349	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.740840024	33.646490	-117.882252	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
89145	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.564949357	33.646490	-117.882252	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
117065	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.549445171	33.623466	-101.89215	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
117069	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.517696473	33.621483	-101.89065	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
117068	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.240709689	33.620666	-101.892033	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
117063	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.041220329	33.620267	-101.89025	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
117062	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.208274414	33.620233	-101.89025	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
117067	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.197224577	33.619967	-101.904833	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA

117066	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.041220329	33.619866 7	-101.891083 3	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
117064	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.054123734	33.619766 7	-101.891516 7	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
22859	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.772588722	33.600684 5	-117.901208 2	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
UAZ 06224	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.258096538	33.513317	-112.108391	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 26801	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.332143895	33.490366	-112.057948	Nearctic	Deserts and Xeric Shrublands	NA
22996	LACM	Rattus	Rattus_rattus	1758	606	17.1558933	4.49980967	33.324438 8	-118.350763 2	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
78105	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.079441542	33.314998 6	-102.625	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
78104	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.197224577	33.314998 6	-102.625	Nearctic	Temperate Grasslands, Savannas and Shrublands	NA
20201	TCWC	Mus	Mus_musculus	1758	606	18.24993585	2.374905755	32.85476	103.76582	Palearctic	Montane Grasslands and Shrublands	NA

UAZ 06228	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.694627181	32.83389	-109.70694	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 06227	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.698829785	32.83389	-109.70694	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 18085	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.681021529	32.773975	-117.065635	Nearctic	Mediterranean Forests, Woodlands and Scrub	NA
UAZ 25345	UAZ	Lemniscomys	Lemniscomys_barbarus	1766	606	12.42602041	1.609437912	32.758312	-6.578064	Palearctic	Mediterranean Forests, Woodlands and Scrub	NA
UAZ 25344	UAZ	Lemniscomys	Lemniscomys_barbarus	1766	606	12.42602041	4.110873864	32.758312	-6.578064	Palearctic	Mediterranean Forests, Woodlands and Scrub	NA
UAZ 03506	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.965273066	32.709454	-108.042691	Nearctic	Temperate Conifer Forests	NA
UAZ 22965	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.602689685	32.57611	-111.325	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 22961	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.995732274	32.57611	-111.325	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 22964	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.639055733	32.57611	-111.325	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27357	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.420368129	32.511366	-110.918558	Nearctic	Deserts and Xeric Shrublands	NA

UAZ 27350	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.545531272	32.492427	-110.925426	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 22962	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.833213344	32.4605	-111.2256	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 22963	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.302585093	32.4605	-111.2256	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 24875	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.639057733	32.4605	-111.2256	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27351	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.505525937	32.460443	-111.245008	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27360	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.442347035	32.380862	-111.161937	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25997	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.079441542	32.3233	-110.97868	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 21190	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.198673118	32.3154	-111.0716	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27353	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.505525937	32.305155	-111.015986	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27345	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.756840365	32.28083	-110.93167	Nearctic	Deserts and Xeric Shrublands	NA

UAZ 01054	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.208274414	32.26861	-110.875	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27366	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.525728644	32.267289	-110.95498	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 22966	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	32.25861	-111.00167	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 26035	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.580216 83	32.2573	-110.9518	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 06225	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.734367509	32.256761	-110.964452	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 06226	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.342861805	32.256761	-110.964452	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27362	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.197224577	32.2529	-110.823858	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27364	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.442347035	32.250756	-110.754341	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27355	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.674148649	32.250563	-110.826098	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27354	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.917770732	32.246691	-110.9	Nearctic	Deserts and Xeric Shrublands	NA

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UAZ 03505	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.772588722	32.24417	-111.16722	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25814	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.401197382	32.2428	-111.1571	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25813	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.873564464	32.2428	-111.1571	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25815	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.068052935	32.2428	-111.1571	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25804	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.068052935	32.2428	-111.1742	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25820	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.867898902	32.2428	-111.1742	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25279	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.360375387	32.2428	-111.1742	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25821	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.254242969	32.2428	-111.1742	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25819	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.803360381	32.2428	-111.1742	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 24704	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.890371758	32.23972	-110.9475	Nearctic	Deserts and Xeric Shrublands	NA

UAZ 25812	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.493205453	32.2308	-110.814	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25809	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.960105096	32.2308	-110.814	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25810	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.803360381	32.2308	-110.814	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25811	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.960105096	32.2308	-110.814	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27363	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.756840365	32.223113	-110.926209	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27359	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.674148649	32.216804	-110.927748	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27361	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.740840024	32.216792	-110.886469	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25808	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.484900665	32.2138	-110.9176	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25806	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.178005383	32.2138	-110.9176	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 25807	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.295836866	32.2138	-110.9176	Nearctic	Deserts and Xeric Shrublands	NA

UAZ 25805	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.63905733	32.2138	-110.9176	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27344	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.917770732	32.208775	-110.920897	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27343	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.691243083	32.208775	-110.920897	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27346	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.957511061	32.208775	-110.920897	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27349	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.917770732	32.208775	-110.920897	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27347	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.401197382	32.208775	-110.920897	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27348	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.302585093	32.208775	-110.920897	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27565	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.904166508	32.199715	-110.865284	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27356	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.665490587	32.199715	-110.8	Nearctic	Deserts and Xeric Shrublands	NA

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UAZ 27368	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.927891644	32.197252	-110.969783	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27352	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.847812143	32.187747	-110.97461	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 06223	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.727852828	32.185388	-110.891521	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 06222	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.653241965	32.185388	-110.891521	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27365	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.068052935	32.177763	-111.011525	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27367	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.772588722	32.166936	-110.970424	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27358	UAZ	Mus	Mus_musculus	1758	606	18.24993585	3.151667075	32.136515	-111.052005	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 26294	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.631888884	32.1267	-111.2427	Nearctic	Deserts and Xeric Shrublands	NA

UAZ 26034	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.833213344	32.1122	-110.9004	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 26295	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.821378886	31.9942	-111.3092	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 12485	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.014903021	31.923872	-109.12874	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 13926	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.772588722	31.91361	-109.14425	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 13927	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.116255515	31.888597	-109.069746	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 26027	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.639005733	31.5611	-110.5359	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 26858	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	31.452558	-110.959398	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 26350	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	31.3439	-109.2595	Nearctic	Deserts and Xeric Shrublands	NA
67467	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.747270914	29.6388	-82.3343	Nearctic	Temperate Conifer Forests	NA
60898	TCWC	Mus	Mus_musculus	1758	606	18.24993585	2.917770732	29.615062 7	-94.554059 2	Nearctic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA

61323	TCWC	Mus	Mus_musculus	1758	606	18.24993585	2.740840024	29.615062 7	-94.554059 2	Nearctic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61274	TCWC	Mus	Mus_musculus	1758	606	18.24993585	2.740840024	29.615062 7	-94.554059 2	Nearctic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61426	TCWC	Mus	Mus_musculus	1758	606	18.24993585	2.564949357	29.615062 7	-94.554059 2	Nearctic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61315	TCWC	Mus	Mus_musculus	1758	606	18.24993585	2.701361213	29.615062 7	-94.554059 2	Nearctic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61534	TCWC	Mus	Mus_musculus	1758	606	18.24993585	2.370243741	29.615062 7	-94.554059 2	Nearctic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61320	TCWC	Mus	Mus_musculus	1758	606	18.24993585	2.424802726	29.615062 7	-94.554059 2	Nearctic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
60856	TCWC	Mus	Mus_musculus	1758	606	18.24993585	2.639055733	29.615062 7	-94.554059 2	Nearctic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61659	TCWC	Mus	Mus_musculus	1758	606	18.24993585	2.388762789	29.615062 7	-94.554059 2	Nearctic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA

60855	TCWC	Mus	Mus_musculus	1758	606	18.24993585	2.041220329	29.615067	-94.554059 2	Nearctic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61322	TCWC	Mus	Mus_musculus	1758	606	18.24993585	2.740840024	29.614411 8	-94.539457 6	Nearctic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61321	TCWC	Mus	Mus_musculus	1758	606	18.24993585	2.785011242	29.612422 2	-94.546238 9	Nearctic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
44621	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.351375257	29.200000 8	-100.66600 04	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 19318	UAZ	Rattus	Rattus_rattus	1758	606	17.1558933	3.921973336	28.41667	-178.3333	NA	NA	NA
UAZ 19317	UAZ	Rattus	Rattus_rattus	1758	606	17.1558933	3.765840495	28.41667	-178.3333	NA	NA	NA
UAZ 19316	UAZ	Rattus	Rattus_rattus	1758	606	17.1558933	3.540959324	28.41667	-178.3333	NA	NA	NA
97873	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.708050201	26.688424	-82.256684 5	NA	NA	NA
97878	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.564949357	26.688424	-82.256684 5	NA	NA	NA

97874	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.564949357	26.688424	-82.256684 5	NA	NA	NA
97869	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.484900665	26.688424	-82.256684 5	NA	NA	NA
97877	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.639005733	26.688424	-82.256684 5	NA	NA	NA
97872	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.484900665	26.688424	-82.256684 5	NA	NA	NA
97876	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.639005733	26.688424	-82.256684 5	NA	NA	NA
97871	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.302585093	26.688424	-82.256684 5	NA	NA	NA
97870	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	26.688424	-82.256684 5	NA	NA	NA
UAZ 17664	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.564949357	25.800136	-108.94154 3	Nearctic	Tropical and Subtropical Dry Broadleaf Forests	NA

111509	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.163323026	24.515053 7	-97.740558	Nearctic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
110323	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.856706812	24.010035 9	-98.344150 2	Nearctic	Deserts and Xeric Shrublands	NA
110320	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.678829118	24.010035 9	-98.344150 2	Nearctic	Deserts and Xeric Shrublands	NA
110322	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.471966453	24.010035 9	-98.344150 2	Nearctic	Deserts and Xeric Shrublands	NA
110321	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.433987204	24.010035 9	-98.344150 2	Nearctic	Deserts and Xeric Shrublands	NA
110015	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.00148	23.005079 7	-105.870585 6	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 18162	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.687847494	21.516667	-105.233333	NA	NA	NA
UAZ 18161	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.617395833	21.516667	-105.233333	NA	NA	NA
UAZ 18163	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.687847494	21.516667	-105.2	NA	NA	NA

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UAZ 18159	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.646174797	21.516667	-105.233333	NA	NA	NA
18508	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.610069793	20.968178	-89.621376	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA
110014	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.341805806	20.947061	-100.760156 7	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27381	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.944438979	20.7475	-156.232149	Oceania	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
UAZ 27382	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.564949357	20.7475	-156.232149	Oceania	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
UAZ 27380	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.251291799	20.7475	-156.232149	Oceania	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
UAZ 27383	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.639057733	20.7475	-156.232149	Oceania	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
18513	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.797281335	20.725681 3	-89.588302 6	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA

18511	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.734367509	20.725681 3	-89.588302 6	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA
18510	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.302585093	20.725681 3	-89.588302 6	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA
18514	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.833213344	20.725681 3	-89.588302 6	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA
18509	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.862200881	20.725681 3	-89.588302 6	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA
18512	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.873564 64	20.725681 3	-89.588302 6	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27379	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.833213344	20.70694	-156.14944	Oceania	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
UAZ 27378	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.484900665	20.70694	-156.14944	Oceania	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
UAZ 27376	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.484900665	20.70694	-156.14944	Oceania	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
UAZ 27377	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	20.70694	-156.14944	Oceania	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA

67345	LACM	Acomys	Acomys_cahirinus	1803	1	15.20615473	2.975529566	20.59167	41.66667	Afrotropic	Deserts and Xeric Shrublands	NA
67344	LACM	Acomys	Acomys_cahirinus	1803	1	15.20615473	2.879198457	20.59167	41.66667	Afrotropic	Deserts and Xeric Shrublands	NA
24632	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.557227311	20.544002 5	-98.653060 9	Nearctic	Deserts and Xeric Shrublands	NA
UAZ 27417	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.602689685	20.185	-155.90417	NA	NA	NA
UAZ 27416	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.197224577	20.185	-155.90417	NA	NA	NA
UAZ 27439	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.251291799	20.185	-155.90417	NA	NA	NA
UAZ 27414	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	20.185	-155.90417	NA	NA	NA
UAZ 27445	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.302585093	20.185	-155.90417	NA	NA	NA
UAZ 27411	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.079441542	20.185	-155.90417	NA	NA	NA
UAZ 27446	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.079441542	20.185	-155.90417	NA	NA	NA
UAZ 27471	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.197224577	20.185	-155.90417	NA	NA	NA

UAZ 27438	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.140066163	20.185	-155.90417	NA	NA	NA
UAZ 27472	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.251291799	20.185	-155.90417	NA	NA	NA
UAZ 27437	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.079441542	20.185	-155.90417	NA	NA	NA
UAZ 27412	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.564949357	20.185	-155.90417	NA	NA	NA
UAZ 27474	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.639057733	20.185	-155.90417	NA	NA	NA
UAZ 27444	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.251291799	20.185	-155.90417	NA	NA	NA
UAZ 27440	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.197224577	20.185	-155.90417	NA	NA	NA
UAZ 27443	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.079441542	20.185	-155.90417	NA	NA	NA
UAZ 27441	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.014903021	20.185	-155.90417	NA	NA	NA
UAZ 27415	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.014903021	20.185	-155.90417	NA	NA	NA
UAZ 27470	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.140066163	20.185	-155.90417	NA	NA	NA

UAZ 27442	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.945910149	20.185	-155.90417	NA	NA	NA
UAZ 27413	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.704748092	20.185	-155.90417	NA	NA	NA
UAZ 27410	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.351375257	20.185	-155.90417	NA	NA	NA
UAZ 27473	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.014903021	20.185	-155.90417	NA	NA	NA
UAZ 27405	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.014903021	20.185	-155.90417	NA	NA	NA
UAZ 27408	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.014903021	20.185	-155.90417	NA	NA	NA
UAZ 27407	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.945910149	20.185	-155.90417	NA	NA	NA
UAZ 27406	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.014903021	20.185	-155.90417	NA	NA	NA
UAZ 27409	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.014903021	20.185	-155.90417	NA	NA	NA
UAZ 27436	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.014903021	20.15886	-155.824744	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27435	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.674148649	20.15886	-155.8	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA

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UAZ 27433	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.504077397	20.15886	-155.824744	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27447	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.639057733	20.15886	-155.824744	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27434	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.302585093	20.15886	-155.824744	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27423	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.351375257	20.03667	-155.831408	NA	NA	NA
UAZ 27420	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.251291799	20.03667	-155.831408	NA	NA	NA
UAZ 27419	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.609437912	20.03667	-155.831408	NA	NA	NA
UAZ 27418	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.351375257	20.03667	-155.831408	NA	NA	NA
UAZ 27422	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.351375257	20.03667	-155.831408	NA	NA	NA

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UAZ 27421	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.140066163	20.03667	-155.83140 8	NA	NA	NA
UAZ 27404	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.945910149	20.03667	-155.83140 8	NA	NA	NA
UAZ 27403	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.140066163	20.02639	-155.82444	NA	NA	NA
UAZ 27402	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	20.02639	-155.82444	NA	NA	NA
UAZ 27460	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	19.99389	-155.82806	NA	NA	NA
UAZ 27453	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.251291799	19.99389	-155.82806	NA	NA	NA
UAZ 27457	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.251291799	19.99389	-155.82806	NA	NA	NA
UAZ 27459	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	19.99389	-155.82806	NA	NA	NA
UAZ 27467	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.639005733	19.99389	-155.82806	NA	NA	NA
UAZ 27458	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.302585093	19.99389	-155.82806	NA	NA	NA

UAZ 27461	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.251291799	19.99389	-155.82806	NA	NA	NA
UAZ 27449	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.251291799	19.99389	-155.82806	NA	NA	NA
UAZ 27450	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.140066163	19.99389	-155.82806	NA	NA	NA
UAZ 27466	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.704748092	19.99389	-155.82806	NA	NA	NA
UAZ 27425	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.351375257	19.99389	-155.82806	NA	NA	NA
UAZ 27428	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.197224577	19.99389	-155.82806	NA	NA	NA
UAZ 27448	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.251291799	19.99389	-155.82806	NA	NA	NA
UAZ 27468	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.079441542	19.99389	-155.82806	NA	NA	NA
UAZ 27427	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.079441542	19.99389	-155.82806	NA	NA	NA
UAZ 27469	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.079441542	19.99389	-155.82806	NA	NA	NA
UAZ 27424	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.197224577	19.99389	-155.82806	NA	NA	NA

UAZ 27452	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.197224577	19.99389	-155.82806	NA	NA	NA
UAZ 27454	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.140066163	19.99389	-155.82806	NA	NA	NA
UAZ 27462	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.197224577	19.99389	-155.82806	NA	NA	NA
UAZ 27456	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.871802177	19.99389	-155.82806	NA	NA	NA
UAZ 27426	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.945910149	19.99389	-155.82806	NA	NA	NA
UAZ 27463	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.704748092	19.99389	-155.82806	NA	NA	NA
UAZ 27455	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.609437912	19.99389	-155.82806	NA	NA	NA
UAZ 27451	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.704748092	19.99389	-155.82806	NA	NA	NA
104951	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.617395833	19.608790 9	-97.194961 1	Neotropic	Tropical and Subtropical Coniferous Forests	NA
104952	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.240709689	19.608790 9	-97.194961 1	Neotropic	Tropical and Subtropical Coniferous Forests	NA

UAZ 27384	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.48490665	19.42417	-155.32222	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27429	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.60943791	19.41667	-155.83333	Oceania	Tropical and Subtropical Moist Broadleaf Forests	NA
UAZ 27430	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.39789527	19.41667	-155.83333	Oceania	Tropical and Subtropical Moist Broadleaf Forests	NA
UAZ 27431	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.25129179	19.41667	-155.83333	Oceania	Tropical and Subtropical Moist Broadleaf Forests	NA
UAZ 27386	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.48490665	19.4	-155.3	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27385	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.19722457	19.4	-155.3	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27389	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.30258509	19.4	-155.3	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27391	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.30258509	19.4	-155.3	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27393	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.25129179	19.4	-155.3	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27390	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.44235047	19.4	-155.3	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27475	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.70474809	19.4	-155.3	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27388	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.60943791	19.4	-155.3	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27392	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.70474809	19.4	-155.3	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27394	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.50407740	19.4	-155.3	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27387	UAZ	Mus	Mus_musculus	1758	606	18.24993585	1.50407740	19.4	-155.3	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA

UAZ 27476	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.079441542	19.4	-155.3	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27432	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.442347035	19.38278	-155.90056	Oceania	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ 27465	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.564949357	18.921246	-155.67167	Oceania	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
UAZ 27464	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.525728644	18.921246	-155.67167	Oceania	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
UAZ 27401	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.351375257	18.91944	-155.663985	NA	NA	NA
UAZ 27477	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.302585093	18.91944	-155.663985	NA	NA	NA
UAZ 27398	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.525728644	18.91944	-155.663985	NA	NA	NA
UAZ 27396	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	18.91944	-155.663985	NA	NA	NA
UAZ 27399	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.140066163	18.91944	-155.663985	NA	NA	NA
UAZ 27395	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.197224577	18.91944	-155.6	NA	NA	NA

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UAZ 27400	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.140066163	18.91944	-155.663985	NA	NA	NA
UAZ 27397	UAZ	Mus	Mus_musculus	1758	606	18.24993585	2.484900665	18.91944	-155.663985	NA	NA	NA
105053	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.557227311	18.148315	-94.478074	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
105050	TTU	Mus	Mus_musculus	1758	606	18.24993585	1.960094784	18.148315	-94.478074	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
105049	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.660259537	18.148315	-94.478074	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
105051	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.501435952	18.148315	-94.478074	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
105048	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.163323026	18.148315	-94.478074	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
946	USAC	Rattus	Rattus_rattus	1758	606	17.1558933	4.553876892	17.225	-89.6133	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA

959	USAC	Rattus	Rattus_rattus	1758	606	17.1558933	4.682131227	16.9986	-89.7056	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
2011-0005-0160	UAFMC	Mus	Mus_musculus	1758	606	18.24993585	2.174751721	16.866666667	120.7666667	Indo-Malay	Tropical and Subtropical Coniferous Forests	NA
2011-0005-0159	UAFMC	Mus	Mus_musculus	1758	606	18.24993585	2.079441542	16.866666667	120.7666667	Indo-Malay	Tropical and Subtropical Coniferous Forests	NA
2011-0005-0158	UAFMC	Mus	Mus_musculus	1758	606	18.24993585	2.302585093	16.866666667	120.7666667	Indo-Malay	Tropical and Subtropical Coniferous Forests	NA
104620	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.687847494	16.550098	-93.460265	Neotropic	Tropical and Subtropical Coniferous Forests	NA
104898	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.023564438	15.970277 1	-97.245252 6	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA
3311	USAC	Rattus	Rattus_rattus	1758	606	17.1558933	4.454347296	14.9644	-91.8228	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
104331	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.995732274	14.872893 7	-87.905222 8	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
84606	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.610069793	14.788023 8	-88.784156 7	Neotropic	Tropical and Subtropical Coniferous Forests	NA

84607	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.251291799	14.788023	-88.784157	Neotropic	Tropical and Subtropical Coniferous Forests	NA
83697	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.258096538	14.122505	-87.023616	Neotropic	Tropical and Subtropical Coniferous Forests	NA
110316	TTU	Rattus	Rattus_norvegicus	1769	87	16.76978913	5.171052016	13.863056	-60.906333	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
110319	TTU	Rattus	Rattus_norvegicus	1769	87	16.76978913	4.75272775	13.842167	-61.004444	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
110318	TTU	Rattus	Rattus_norvegicus	1769	87	16.76978913	4.529368473	13.842167	-61.004444	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
110313	TTU	Rattus	Rattus_norvegicus	1769	87	16.76978913	4.418840608	13.245611	-59.558916	Neotropic	Deserts and Xeric Shrublands	NA
110315	TTU	Rattus	Rattus_norvegicus	1769	87	16.76978913	4.915591745	13.245611	-59.558916	Neotropic	Deserts and Xeric Shrublands	NA
UAZ02492	UAZ	Rattus	Rattus_rattus	1758	606	17.1558933	2.944438979	12.419017	-86.649142	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA
UAZ02490	UAZ	Rattus	Rattus_rattus	1758	606	17.1558933	2.890371758	12.253069	-86.358286	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA

58671	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.80666249	8.361944444	35.883888989	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
57946	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.6888 79454	8.361944444	35.883888989	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
57942	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.8286 41396	8.361944444	35.883888989	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
57945	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.5835 18938	8.361944444	35.883888989	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
57943	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	4.0073 33185	8.361944444	35.883888989	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
57941	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.9512 43719	8.361944444	35.883888989	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
57944	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.6375 8616	8.361944444	35.883888989	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
58706	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	4.0604 43011	8.054722222	36.320833333	Afrotropic	Montane Grasslands and Shrublands	NA
58679	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	4.4773 36814	8.040277778	36.021388889	Afrotropic	Montane Grasslands and Shrublands	NA
58670	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.6888 79454	8.040277778	36.021388889	Afrotropic	Montane Grasslands and Shrublands	NA
58713	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.5835 18938	8.040277778	36.021388889	Afrotropic	Montane Grasslands and Shrublands	NA

58711	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.555348061	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	NA
58712	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.401197382	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	NA
57929	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.912023005	7.872222222	35.47972222	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
57930	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.951243719	7.872222222	35.47972222	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
57937	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.688879454	7.872222222	35.47972222	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
57907	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	4.060443011	7.306111111	36.05555556	Afrotropic	Montane Grasslands and Shrublands	NA
57913	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	4.060443011	7.306111111	36.05555556	Afrotropic	Montane Grasslands and Shrublands	NA
57912	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.526360525	7.306111111	36.05555556	Afrotropic	Montane Grasslands and Shrublands	NA
57910	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.806606249	7.306111111	36.05555556	Afrotropic	Montane Grasslands and Shrublands	NA
57924	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.871201011	7.300277778	35.27333333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
57923	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.688879454	7.300277778	35.27333333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA

57920	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.465735903	7.299444444	35.25805556	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
57915	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.465735903	7.299444444	35.25805556	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
57918	TCWC	Lophuromys	Lophuromys_flavopunctatus	1888	991	14.5645984	3.63758616	7.293611111	35.26944444	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
18072	TTU	Acomys	Acomys_cahirinus	1803	1	15.20615473	3.526360525	4.2333298	14.566670 4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
108306	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.828313737	1.7165278	110.444167	Indo-Malay	Mangroves	NA
61057	LACM	Rattus	Rattus_rattus	1758	606	17.1558933	4.890349128	0.75	30.1167	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
72854	LACM	Dasymys	Dasymys_incomtus	1846	975	15.67733996	2.995732274	0.5	30.41667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
UAZ 13298	UAZ	Otomys	Otomys_orestes	1900	991	NA	4.521788577	-1.062046	35.229945	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
85243	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.501435952	-1.4053045	-78.414290 4	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
UAZ 13297	UAZ	Otomys	Otomys_orestes	1900	991	NA	3.941581808	-1.414134	35.096858	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA

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84932	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.844187086	-1.4424145	-77.995532	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
70595	LACM	Lemniscomys	Lemniscomys_barbarus	1766	606	12.42602041	3.218875825	-2.05	37.88333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
70594	LACM	Lemniscomys	Lemniscomys_barbarus	1766	606	12.42602041	4.499809 67	-2.05	37.88333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
103307	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.809402695	-2.4272778	-80.021583 3	NA	NA	NA
103731	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.484906 65	-2.4546944	-79.627388 9	Neotropic	Mangroves	NA
102401	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.859812404	-3.7665833	-79.647472 2	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
102397	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.494238625	-3.7665833	-79.647472 2	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
85473	TTU	Mus	Mus_musculus	1758	606	18.24993585	2.406945108	-5.0019777	-78.369636 1	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
27956	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.615120517	-6.1181931	106.799240 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

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27955	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.65396035	-6.1181931	106.799240 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27957	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.70953020 1	-6.1181931	106.799240 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27958	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.34380542 2	-6.1294918	106.885086 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27667	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.20469261 9	-6.136271	106.921211 2	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27685	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.97029191 4	-6.136271	106.921211 2	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27678	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.87120101 1	-6.136271	106.921211 2	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27683	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.78418963 4	-6.136271	106.921211 2	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27677	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.63758616	-6.136271	106.921211 2	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27684	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.80666249	-6.136271	106.921212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27664	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	2.995732274	-6.136271	106.921212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27673	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.532599493	-6.136271	106.921212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27665	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.787491743	-6.136271	106.921212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27686	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.718498871	-6.136271	106.921212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27671	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	5.081404365	-6.136271	106.921212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27668	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.605170186	-6.136271	106.921212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27669	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.406719247	-6.136271	106.921212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27674	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.248495242	-6.136271	106.921211212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27670	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.543294782	-6.136271	106.921211212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27675	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.418840608	-6.136271	106.921211212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27680	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.304065093	-6.136271	106.921211212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27688	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.465908119	-6.136271	106.921211212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27953	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.094344562	-6.136271	106.921211212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27681	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.330733334	-6.136271	106.921211212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27687	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.290459441	-6.136271	106.921211212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27676	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.737669618	-6.136271	106.921211 2	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27682	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.891820298	-6.136271	106.921211 2	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27666	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.663561646	-6.136271	106.921211 2	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27679	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.465735903	-6.136271	106.921211 2	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27672	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.433987204	-6.136271	106.921211 2	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27781	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.713572067	-6.136271	106.873779 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
90667	LACM	Rattus	Rattus_niobe	1906	991	11.60873874	3.871201011	-7.3481002	146.673095 7	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90663	LACM	Rattus	Rattus_niobe	1906	991	11.60873874	3.881563798	-7.3481002	146.673095 7	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90662	LACM	Rattus	Rattus_niobe	1906	991	11.60873874	3.871201011	-7.3481002	146.673095 7	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA

90646	LACM	Rattus	Rattus_niobe	1906	991	11.6087387	3.701301974	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90661	LACM	Rattus	Rattus_niobe	1906	991	11.6087387	3.725693427	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90653	LACM	Rattus	Rattus_niobe	1906	991	11.6087387	3.891820298	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90659	LACM	Rattus	Rattus_niobe	1906	991	11.6087387	3.901977267	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90656	LACM	Rattus	Rattus_niobe	1906	991	11.6087387	3.481240089	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90654	LACM	Rattus	Rattus_niobe	1906	991	11.6087387	3.761200116	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90665	LACM	Rattus	Rattus_niobe	1906	991	11.6087387	3.881563798	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90668	LACM	Rattus	Rattus_niobe	1906	991	11.6087387	3.725693427	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90669	LACM	Rattus	Rattus_niobe	1906	991	11.6087387	3.742420221	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90666	LACM	Rattus	Rattus_niobe	1906	991	11.6087387	3.749504076	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90652	LACM	Rattus	Rattus_niobe	1906	991	11.6087387	3.845883203	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA

90660	LACM	Rattus	Rattus_niobe	1906	991	11.6087374	3.713572067	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90648	LACM	Rattus	Rattus_niobe	1906	991	11.6087374	3.526360525	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90647	LACM	Rattus	Rattus_niobe	1906	991	11.6087374	3.691376334	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90664	LACM	Rattus	Rattus_niobe	1906	991	11.6087374	3.737669618	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90658	LACM	Rattus	Rattus_niobe	1906	991	11.6087374	3.795489189	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90649	LACM	Rattus	Rattus_niobe	1906	991	11.6087374	3.806606249	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90655	LACM	Rattus	Rattus_niobe	1906	991	11.6087374	3.698829785	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90590	LACM	Rattus	Rattus_niobe	1906	991	11.6087374	3.772760938	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90650	LACM	Rattus	Rattus_niobe	1906	991	11.6087374	3.449987546	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90651	LACM	Rattus	Rattus_niobe	1906	991	11.6087374	3.555348061	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
90670	LACM	Rattus	Rattus_niobe	1906	991	11.6087374	3.830861295	-7.3481002	146.673095757	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA

90657	LACM	Rattus	Rattus_niobe	1906	991	11.60873874	3.277144733	-7.3481002	146.6730957	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
27965	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.584967479	-7.4672084	110.3570023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27799	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.418840608	-7.4672084	110.4153366	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27805	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.850147602	-7.469698	110.4110565	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27804	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.931825633	-7.469698	110.4110565	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27806	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.634728988	-7.469698	110.4110565	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27807	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.615120517	-7.469698	110.4110565	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27811	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.158883083	-7.469698	110.4110565	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27808	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.718498871	-7.469698	110.4110565	Indo-	Tropical and Subtropical Moist Broadleaf Forests	NA

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27813	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.820281566	-7.469698	110.4110565	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27809	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.595119 85	-7.469698	110.4110565	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27814	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.828641396	-7.469698	110.4110565	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27812	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	2.639057 33	-7.469698	110.4110565	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27964	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.691347882	-7.4890361	110.3570023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27319	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.477336814	-7.4890361	110.3570023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27318	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.761200116	-7.4890361	110.3570023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27962	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.610917913	-7.4890361	110.3570023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27963	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	2.944438979	-7.4890361	110.3570023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27831	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.248495242	-7.4903798	110.4519577	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27617	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.653960 35	-7.4923353	110.484787	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27614	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.663439094	-7.4923353	110.484787	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27611	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.605170186	-7.4923353	110.484787	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27613	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.356708827	-7.4923353	110.484787	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27607	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.488636 37	-7.4923353	110.484787	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27612	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.094344562	-7.4923353	110.484787	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27608	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.094344562	-7.4923353	110.484787	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27606	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.394449155	-7.4923353	110.484787	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27609	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.970291914	-7.4923353	110.484787	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27610	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.025351691	-7.4923353	110.484787	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27615	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.433987204	-7.4923353	110.484787	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27616	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.178005383	-7.4923353	110.484787	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27626	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.304065093	-7.4923353	110.484654	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27628	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.007333185	-7.4923353	110.484654	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27623	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.043051268	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27625	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.262679877	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27631	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.784189634	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27637	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	2.890371758	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27633	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	2.890371758	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27630	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.691347882	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27620	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.499800967	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27619	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.615120517	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27634	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.49980967	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27621	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.406719247	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27624	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.248495242	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27635	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.828641396	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27618	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.891820298	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27632	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.465735903	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27629	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	2.944438979	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27636	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	2.639005733	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27627	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	2.708050201	-7.4923353	110.484695 4	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27622	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.367295 83	-7.4923353	110.484695 4	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27800	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.430816799	-7.4926758	110.411689 8	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27802	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.477336814	-7.4926758	110.411689 8	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27803	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.753590191	-7.4926758	110.411689 8	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27801	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.871201011	-7.4926758	110.411689 8	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27785	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.718498871	-7.5039248	110.343772 9	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27786	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.634728988	-7.5039248	110.343772 9	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27784	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.430816799	-7.5039248	110.3437729	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27783	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.043051268	-7.5039248	110.3437729	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27782	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.634728988	-7.5039248	110.3437729	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27787	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.369447852	-7.5039248	110.3437729	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27844	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.804021045	-7.5081539	110.4348679	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27845	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.521788577	-7.5081539	110.4348679	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27839	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.700480366	-7.5081539	110.4348679	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27840	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.367209583	-7.5081539	110.4348679	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27842	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.583518938	-7.5081539	110.4348679	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27841	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.219507705	-7.5081539	110.4348679	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27843	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.871201011	-7.5081539	110.4348679	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27779	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.990432587	-7.5145035	110.3934631	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27778	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.127134385	-7.5145035	110.3934631	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27780	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.637558616	-7.5145035	110.3934631	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27836	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.867533445	-7.5149436	110.4393921	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27838	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.418840608	-7.5149436	110.4393921	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27832	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.276666119	-7.5149436	110.4393921	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27837	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.110873864	-7.5149436	110.4393921	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27835	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.779123493	-7.5149436	110.4393921	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27834	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.442651256	-7.5149436	110.4393921	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27833	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	5.164785974	-7.5149436	110.4393921	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27716	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.584967479	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27717	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.653956035	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27718	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.418840608	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27719	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	2.708050201	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27726	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.234106505	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27723	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.871201011	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27725	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.784189634	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27727	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.795790546	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27729	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.912654886	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27728	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.634728988	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27724	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.753590191	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27720	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.290459441	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27722	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.584967479	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27721	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.234106505	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27731	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.060443011	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27730	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.091042453	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27736	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.521788577	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27735	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.234106505	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27732	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.812184355	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27733	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.605170186	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27734	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	5.283203729	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27737	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.219507705	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27754	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	5.003946306	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27757	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.762173935	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27749	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.672828834	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27746	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.682131227	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27740	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.644390899	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27751	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.828641396	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27744	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.700480366	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27750	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.905274778	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27755	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.779123493	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27739	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.499800967	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27748	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.634728988	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27743	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	5.075173815	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27738	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.762173935	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27752	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.65396035	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27742	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.779123493	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27747	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.477336814	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27745	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.595121985	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27753	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.465908119	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27756	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	5.062595033	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27741	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.912023005	-7.5296917	110.5810318	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27815	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.564348191	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27824	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.753590191	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27826	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.564348191	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27816	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.189654742	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27828	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.094344562	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27818	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.127134385	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27821	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.828641396	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27819	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.761200116	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27822	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.234106505	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA

27817	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.401197382	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27825	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.709530201	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27829	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.521788577	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27820	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.736198448	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27823	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.931825633	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27827	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	4.663439094	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
27830	TTU	Rattus	Rattus_rattus	1758	606	17.1558933	3.044522438	-7.5329008	110.5843582	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	NA
M-262988	AMNH	Rattus	Rattus_rattus	1758	606	17.1558933	2.079441542	-11.26666667	-67.33333333	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA

M-263107	AMNH	Rattus	Rattus_rattus	1758	606	17.1558933	0	-12.116666667	-68.35	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
M-262372	AMNH	Rattus	Rattus_rattus	1758	606	17.1558933	3.258096538	-12.333333333	-67	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
M-268969	AMNH	Rattus	Rattus_rattus	1758	606	17.1558933	4.007333185	-14.45	-61.016666667	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA
M-263485	AMNH	Mus	Mus_musculus	1758	606	18.24993585	2.995732274	-15.466666667	-67.366666667	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
91250	LACM	Rattus	Rattus_norvegicus	1769	87	16.76978913	3.891820298	-15.55	167.15	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
M-260777	AMNH	Mus	Mus_musculus	1758	606	18.24993585	1.945910149	-16.466666667	-63.133333333	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA
M-263355	AMNH	Rattus	Rattus_rattus	1758	606	17.1558933	3.332200451	-17	-63.55	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA
74812	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.772588722	-17.30482	145.57177	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
74813	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.833213344	-17.30482	145.57177	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA

74831	LACM	Rattus	Rattus_rattus	1758	606	17.1558933	4.465908119	-17.30482	145.57177	Australasia	Tropical and Subtropical Moist Broadleaf Forests	NA
M-263358	AMNH	Rattus	Rattus_rattus	1758	606	17.1558933	4.605170186	-17.566666667	-64.316666667	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
74832	LACM	Rattus	Rattus_rattus	1758	606	17.1558933	5.192956851	-18.15	144.31667	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
M-264451	AMNH	Rattus	Rattus_rattus	1758	606	17.1558933	3.401197382	-18.166666667	-63.116666667	Neotropic	Tropical and Subtropical Dry Broadleaf Forests	NA
85908	LACM	Rattus	Rattus_rattus	1758	606	17.1558933	5.220355825	-19.88333	147.86667	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
M-262989	AMNH	Rattus	Rattus_rattus	1758	606	17.1558933	0	-21.266666667	-64.45	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
M-264458	AMNH	Mus	Mus_musculus	1758	606	18.24993585	2.639055733	-21.283333333	-64.483333333	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
M-264457	AMNH	Mus	Mus_musculus	1758	606	18.24993585	2.944438979	-21.283333333	-64.483333333	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
M-264454	AMNH	Rattus	Rattus_rattus	1758	606	17.1558933	4.204692619	-21.283333333	-64.483333333	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA

M-26445	AMNH	Rattus	Rattus_rattus	1758	606	17.1558933	4.543294782	-21.283333333	-64.483333333	Neotropic	Tropical and Subtropical Moist Broadleaf Forests	NA
59736	LACM	Rhabdomys	Rhabdomys_pumilio	1784	955	15.00202026	1.609437912	-21.8667	18.1167	Afrotropic	Deserts and Xeric Shrublands	NA
61429	TCWC	Aethomys	Aethomys_ineptus	1908	999	12.99528426	4.158883083	-23.593055 6	29.783888 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61529	TCWC	Aethomys	Aethomys_ineptus	1908	999	12.99528426	4.094344562	-23.593055 6	29.783888 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61430	TCWC	Aethomys	Aethomys_ineptus	1908	999	12.99528426	4.127134385	-23.593055 6	29.783888 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61661	TCWC	Aethomys	Aethomys_ineptus	1908	999	12.99528426	3.749504076	-23.593055 6	29.783888 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61660	TCWC	Aethomys	Aethomys_ineptus	1908	999	12.99528426	3.433987204	-23.593055 6	29.783888 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61530	TCWC	Aethomys	Aethomys_ineptus	1908	999	12.99528426	3.988984047	-23.593055 6	29.783888 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61532	TCWC	Rhabdomys	Rhabdomys_pumilio	1784	955	15.00202026	3.384390263	-23.59	29.783888 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA

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61662	TCWC	Rhabdomys	Rhabdomys_pumilio	1784	955	15.00202026	3.277144733	-23.593056	29.783889	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
61533	TCWC	Rhabdomys	Rhabdomys_pumilio	1784	955	15.00202026	3.258096538	-23.593056	29.783889	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
85909	LACM	Rattus	Rattus_rattus	1758	606	17.1558933	5.123963979	-31.05	153.05	NA	NA	NA
20639	UCLA	Mus	Mus_musculus	1758	606	18.24993585	1.740466175	-32.666667	116.83333	Australasia	Mediterranean Forests, Woodlands and Scrub	NA
85907	LACM	Rattus	Rattus_rattus	1758	606	17.1558933	5.023880521	-35.77	150.83	NA	NA	NA
74834	LACM	Rattus	Rattus_rattus	1758	606	17.1558933	5.075173815	-35.77	150.83	NA	NA	NA
72966	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.833213344	-41.1377	-71.2957	Neotropic	Temperate Broadleaf and Mixed Forests	NA
72967	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.302585093	-41.1377	-71.2957	Neotropic	Temperate Broadleaf and Mixed Forests	NA
72965	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.890371758	-41.1377	-71.2957	Neotropic	Temperate Broadleaf and Mixed Forests	NA
72963	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.079441542	-41.9658	-71.5397	Neotropic	Temperate Broadleaf and Mixed Forests	NA
72962	LACM	Mus	Mus_musculus	1758	606	18.24993585	2.397895273	-41.9658	-71.5397	Neotropic	Temperate Broadleaf and Mixed Forests	NA

401522	USNM	Gerbillus	Gerbillus_mauritaniae	1943	405	6.277188454	2.079441542	17.03	-13.92	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
401519	USNM	Gerbillus	Gerbillus_mauritaniae	1943	405	6.277188454	2.397895273	17.03	-13.92	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
401518	USNM	Gerbillus	Gerbillus_mauritaniae	1943	405	6.277188454	2.397895273	17.03	-13.92	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	NA
M-197313	AMNH	Zyzomys	Zyzomys_argurus	1889	991	13.98809559	3.63758616	-15.15	128.4	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	0.09531018
M-197311	AMNH	Zyzomys	Zyzomys_argurus	1889	991	13.98809559	3.71357206 7	-15.15	128.4	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	0.09531018
M-197309	AMNH	Zyzomys	Zyzomys_argurus	1889	991	13.98809559	3.82864139 6	-15.15	128.4	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	0.09531018
M-197314	AMNH	Zyzomys	Zyzomys_argurus	1889	991	13.98809559	3.52636052 5	-15.15	128.4	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	0.09531018
M-197315	AMNH	Zyzomys	Zyzomys_argurus	1889	991	13.98809559	3.61091791 7	-15.15	128.4	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	0.09531018
M-197316	AMNH	Zyzomys	Zyzomys_argurus	1889	991	13.98809559	3.52636052 5	-15.15	128.4	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	0.09531018
M-197310	AMNH	Zyzomys	Zyzomys_argurus	1889	991	13.98809559	3.71357206 7	-15.15	128.4	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	0.09531018
M-197312	AMNH	Zyzomys	Zyzomys_argurus	1889	991	13.98809559	3.68887945 4	-15.15	128.4	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	0.09531018

M-197317	AMNH	Zyzomys	Zyzomys_argurus	1889	991	13.98809559	3.401197382	-15.15	128.4	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	0.09531018
85903	LACM	Pseudomys	Pseudomys_delicatulus	1842	362	14.42235842	2.397895273	-13.49273	131.71667	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	0.35065672
105600	FMNH	Gerbillus	Gerbillus_muriculus	1923	995	6.261386201	2.457071486	15.45583	36.39889	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	0.587786665
141504	USNM	Gerbillus	Gerbillus_muriculus	1923	995	6.261386201	2.161755482	18.483333	31.816667	Palearctic	Deserts and Xeric Shrublands	0.587786665
141503	USNM	Gerbillus	Gerbillus_muriculus	1923	995	6.261386201	1.877823654	18.483333	31.816667	Palearctic	Deserts and Xeric Shrublands	0.587786665
114370	TTU	Zelotomys	Zelotomys_woosnami	1906	916	13.42225201	4.060443011	-20.151335	21.197800 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	0.732367894
115260	TTU	Zelotomys	Zelotomys_woosnami	1906	916	13.42225201	3.465735903	-20.158763 2	21.197599 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	0.732367894
72828	FMNH	Gerbillus	Gerbillus_garamantis	1881	572	14.00063059	2.988599849	29.25	0.25	Palearctic	Deserts and Xeric Shrublands	1.252762968
117953	AMNH	Lemniscomys	Lemniscomys_roseveari	1980	1030	6.461722913	3.909788696	-13.2	22.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.348073148
117958	AMNH	Lemniscomys	Lemniscomys_roseveari	1980	1030	6.461722913	3.889881877	-13.2	22.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.348073148
117962	AMNH	Lemniscomys	Lemniscomys_roseveari	1980	1030	6.461722913	3.876446855	-13.2	22.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.348073148

117951	AMNH	Lemniscomys	Lemniscomys_roseveari	1980	1030	6.461722913	3.82028931	-13.2	22.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.348073148
117949	AMNH	Lemniscomys	Lemniscomys_roseveari	1980	1030	6.461722913	3.778767555	-13.2	22.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.348073148
117955	AMNH	Lemniscomys	Lemniscomys_roseveari	1980	1030	6.461722913	3.737863051	-13.2	22.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.348073148
117948	AMNH	Lemniscomys	Lemniscomys_roseveari	1980	1030	6.461722913	3.707554479	-13.2	22.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.348073148
117954	AMNH	Lemniscomys	Lemniscomys_roseveari	1980	1030	6.461722913	3.625672003	-13.2	22.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.348073148
117960	AMNH	Lemniscomys	Lemniscomys_roseveari	1980	1030	6.461722913	3.599357952	-13.2	22.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.348073148
117946	AMNH	Lemniscomys	Lemniscomys_roseveari	1980	1030	6.461722913	3.540369469	-13.2	22.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.348073148
319728	USNM	Gerbillus	Gerbillus_tarabuli	1902	991	15.65948671	4.184336726	20.45	16.53	Palearctic	Deserts and Xeric Shrublands	1.388791241
322124	USNM	Gerbillus	Gerbillus_tarabuli	1902	991	15.65948671	4.176813337	27.0087	14.449	Palearctic	Deserts and Xeric Shrublands	1.388791241
322146	USNM	Gerbillus	Gerbillus_tarabuli	1902	991	15.65948671	4.127051281	27.0087	14.449	Palearctic	Deserts and Xeric Shrublands	1.388791241
322187	USNM	Gerbillus	Gerbillus_tarabuli	1902	991	15.65948671	4.094970184	24.95	14.65	Palearctic	Deserts and Xeric Shrublands	1.388791241

322251	USNM	Gerbillus	Gerbillus_tarabuli	1902	991	15.65948671	4.089800753	26	14	Palearctic	Deserts and Xeric Shrublands	1.388791241
322131	USNM	Gerbillus	Gerbillus_tarabuli	1902	991	15.65948671	3.980006898	27.0087	14.449	Palearctic	Deserts and Xeric Shrublands	1.388791241
322256	USNM	Gerbillus	Gerbillus_tarabuli	1902	991	15.65948671	3.950027301	26.133888889	14.737222222	Palearctic	Deserts and Xeric Shrublands	1.388791241
319718	USNM	Gerbillus	Gerbillus_tarabuli	1902	991	15.65948671	3.855689891	20.45	16.53	Palearctic	Deserts and Xeric Shrublands	1.388791241
322133	USNM	Gerbillus	Gerbillus_tarabuli	1902	991	15.65948671	3.774976836	27.0087	14.449	Palearctic	Deserts and Xeric Shrublands	1.388791241
302218	USNM	Gerbillus	Gerbillus_tarabuli	1902	991	15.65948671	3.668597737	27.53	13.2	Palearctic	Deserts and Xeric Shrublands	1.388791241
540040	USNM	Gerbillus	Gerbillus_occiduus	1975	584	9.359719313	3.777252051	28.873167	-10.74385	Palearctic	Mediterranean Forests, Woodlands and Scrub	1.609437912
85910	LACM	Rattus	Rattus_tunneyi	1904	991	13.54418743	4.905274778	-13.49273	131.71667	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.704748092
85913	LACM	Rattus	Rattus_tunneyi	1904	991	13.54418743	4.605170186	-13.49273	131.71667	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.704748092
85915	LACM	Rattus	Rattus_tunneyi	1904	991	13.54418743	4.521788577	-13.49273	131.71667	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.704748092
85911	LACM	Rattus	Rattus_tunneyi	1904	991	13.54418743	4.477336814	-13.49273	131.71667	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.704748092

85914	LACM	Rattus	Rattus_tunneyi	1904	991	13.54418743	4.158883083	-13.49273	131.71667	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.704748092
85912	LACM	Rattus	Rattus_tunneyi	1904	991	13.54418743	4.127134385	-13.49273	131.71667	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.704748092
M-278539	AMNH	Pseudomys	Pseudomys_higginsi	1897	1013	11.06482904	4.060443011	-41.75	146.2	Australasia	Temperate Broadleaf and Mixed Forests	1.720979287
M-278538	AMNH	Pseudomys	Pseudomys_higginsi	1897	1013	11.06482904	4.189654742	-41.75	146.2	Australasia	Temperate Broadleaf and Mixed Forests	1.720979287
M-278537	AMNH	Pseudomys	Pseudomys_higginsi	1897	1013	11.06482904	4.248495242	-41.75	146.2	Australasia	Temperate Broadleaf and Mixed Forests	1.720979287
M-278536	AMNH	Pseudomys	Pseudomys_higginsi	1897	1013	11.06482904	4.248495242	-41.75	146.2	Australasia	Temperate Broadleaf and Mixed Forests	1.720979287
74824	LACM	Rattus	Rattus_leucopus	1867	478	12.80795237	4.912654886	-12.7	143.29079	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.808288771
74825	LACM	Rattus	Rattus_leucopus	1867	478	12.80795237	4.941642423	-12.7	143.29079	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.808288771
74827	LACM	Rattus	Rattus_leucopus	1867	478	12.80795237	2.890371758	-12.7	143.29079	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.808288771
74826	LACM	Rattus	Rattus_leucopus	1867	478	12.80795237	4.060443011	-12.7	143.29079	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.808288771
74047	LACM	Rattus	Rattus_leucopus	1867	478	12.80795237	4.718498871	-16.81666	145.65	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.808288771

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74046	LACM	Rattus	Rattus_leucopus	1867	478	12.80795237	4.418840608	-16.81666	145.65	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.808288771
28992	FMNH	Taterillus	Taterillus_congicus	1915	991	14.07712345	3.880068727	13.16667	24.36667	Afrotropic	Deserts and Xeric Shrublands	1.864080131
74836	LACM	Uromys	Uromys_caudimaculatus	1867	551	13.68867209	6.529418838	-16.65622	145.3333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.879465005
74835	LACM	Uromys	Uromys_caudimaculatus	1867	551	13.68867209	6.817830571	-16.66526	145.3333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.879465005
110070	AMNH	Hydromys	Hydromys_habbema	1941	983	6.656456391	4.342979685	-4.137773	138.67821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.945910149
110050	AMNH	Hydromys	Hydromys_habbema	1941	983	6.656456391	4.331459215	-4.137773	138.67821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.945910149
110053	AMNH	Hydromys	Hydromys_habbema	1941	983	6.656456391	4.318583637	-4.137773	138.67821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.945910149
110067	AMNH	Hydromys	Hydromys_habbema	1941	983	6.656456391	4.27903537	-4.137773	138.67821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.945910149
110058	AMNH	Hydromys	Hydromys_habbema	1941	983	6.656456391	4.208127867	-4.137773	138.67821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.945910149
110059	AMNH	Hydromys	Hydromys_habbema	1941	983	6.656456391	4.201939691	-4.137773	138.67821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.945910149
110073	AMNH	Hydromys	Hydromys_habbema	1941	983	6.656456391	4.151526507	-4.137773	138.67821	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.945910149

110072	AMNH	Hydromys	Hydromys_habbema	1941	983	6.656456391	4.101333831	-4.137773	138.66782 1	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.945910149
85897	LACM	Hydromys	Hydromys_chrysogaster	1804	1	15.12527378	6.109247583	-15.7167	126.3667	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.95160817
74799	LACM	Hydromys	Hydromys_chrysogaster	1804	1	15.12527378	6.65929392	-16.65622	145.33333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.95160817
74800	LACM	Hydromys	Hydromys_chrysogaster	1804	1	15.12527378	6.345636361	-16.65622	145.33333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.95160817
74798	LACM	Hydromys	Hydromys_chrysogaster	1804	1	15.12527378	6.120297419	-17.30482	145.57177	Australasia	Tropical and Subtropical Moist Broadleaf Forests	1.95160817
74801	LACM	Hydromys	Hydromys_chrysogaster	1804	1	15.12527378	6.697034248	-19.88333	147.86667	Australasia	Tropical and Subtropical Grasslands, Savannas and Shrublands	1.95160817
83730	FMNH	Dasymys	Dasymys_nudipes	1870	795	12.6448998	5.295448043	-15.0667	13.55	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.02287119
83731	FMNH	Dasymys	Dasymys_nudipes	1870	795	12.6448998	5.249248817	-15.0667	13.55	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.02287119
83733	FMNH	Dasymys	Dasymys_nudipes	1870	795	12.6448998	5.006303601	-15.0667	13.55	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.02287119
83729	FMNH	Dasymys	Dasymys_nudipes	1870	795	12.6448998	4.991415557	-15.0667	13.55	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.02287119
87735	AMNH	Dasymys	Dasymys_nudipes	1870	795	12.6448998	4.889362447	-15.3166667	13.466667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.02287119

87741	AMNH	Dasymys	Dasymys_nudipes	1870	795	12.6448998	4.754907099	-15.316667	13.466667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.02287119
87736	AMNH	Dasymys	Dasymys_nudipes	1870	795	12.6448998	4.642034497	-15.316667	13.466667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.02287119
83728	FMNH	Dasymys	Dasymys_nudipes	1870	795	12.6448998	4.616669222	-12.46667	15.18333	Afrotropic	Montane Grasslands and Shrublands	2.02287119
114230	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	2.970414466	-20.150720 8	21.19758	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114933	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	3.310543013	-20.151145 4	21.197676 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114237	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	3.178053 83	-20.151335	21.197800 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114234	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	3.367295 83	-20.151335	21.197800 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114232	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	3.198673118	-20.151335	21.197800 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114233	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	3.258096538	-20.151335	21.197800 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114236	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	2.960105096	-20.151335	21.197800 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557

114235	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.599900131	2.944438979	-20.151335	21.197800 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114231	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.599900131	2.862200881	-20.151335	21.197800 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114925	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.599900131	3.157000421	-20.158763 2	21.197599 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114918	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.599900131	2.985681938	-20.160816 4	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114919	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.599900131	2.862200881	-20.160816 4	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114920	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.599900131	2.985681938	-20.160816 4	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114914	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.599900131	3.091042453	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114915	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.599900131	3.081900997	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114930	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.599900131	3.226843995	-20.161136 7	21.192224 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557

114916	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	2.9069 0106	-20.161283	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114917	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	2.9957 32274	-20.161283	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114922	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	2.8959 11938	-20.161549	21.195287 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114921	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	2.9549 10279	-20.161549	21.195287 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114923	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	3.0155 34901	-20.161811 5	21.194924	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114924	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	3.1135 15309	-20.161811 5	21.194924	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114931	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	3.1135 15309	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114932	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	3.0056 82604	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114929	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	3.0301 337	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557

114926	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	2.970414466	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114928	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	3.421000009	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114927	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	3.095577609	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
114238	TTU	Gerbillurus	Gerbillurus_paeba	1836	7	14.59990131	2.890371758	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.086913557
81640	AMNH	Otomys	Otomys_anchietae	1882	93	11.17895321	5.28787101	-11.424927	17.154407	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.128231706
81638	AMNH	Otomys	Otomys_anchietae	1882	93	11.17895321	5.285455743	-11.424927	17.154407	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.128231706
81643	AMNH	Otomys	Otomys_anchietae	1882	93	11.17895321	5.169102371	-11.424927	17.154407	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.128231706
85833	AMNH	Otomys	Otomys_anchietae	1882	93	11.17895321	5.132327949	-11.424927	17.154407	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.128231706
85830	AMNH	Otomys	Otomys_anchietae	1882	93	11.17895321	5.089265609	-11.424927	17.154407	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.128231706
85844	AMNH	Otomys	Otomys_anchietae	1882	93	11.17895321	5.0680349	-11.424927	17.154407	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.128231706

81642	AMNH	Otomys	Otomys_anchietae	1882	93	11.17895321	5.047765892	-11.424927	17.154407	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.128231706
81631	AMNH	Otomys	Otomys_anchietae	1882	93	11.17895321	5.021261429	-11.424927	17.154407	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.128231706
81630	AMNH	Otomys	Otomys_anchietae	1882	93	11.17895321	5.005661475	-11.424927	17.154407	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.128231706
85839	AMNH	Otomys	Otomys_anchietae	1882	93	11.17895321	4.888882574	-11.424927	17.154407	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.128231706
74803	LACM	Melomys	Melomys_burtoni	1887	835	13.10609058	4.248495242	-16.65622	145.33333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.263844265
74807	LACM	Melomys	Melomys_burtoni	1887	835	13.10609058	3.828641396	-16.65622	145.33333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.263844265
74809	LACM	Melomys	Melomys_burtoni	1887	835	13.10609058	3.912023005	-16.65622	145.33333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.263844265
74805	LACM	Melomys	Melomys_burtoni	1887	835	13.10609058	3.637588616	-16.65622	145.33333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.263844265
74806	LACM	Melomys	Melomys_burtoni	1887	835	13.10609058	3.737669618	-16.65622	145.33333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.263844265
74804	LACM	Melomys	Melomys_burtoni	1887	835	13.10609058	3.951243719	-16.65622	145.33333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.263844265
74808	LACM	Melomys	Melomys_burtoni	1887	835	13.10609058	3.258096538	-16.65622	145.33333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.263844265

85898	LACM	Melomys	Melomys_burtoni	1887	835	13.10609058	3.951243719	-29.39096	153.34999	Australasia	Temperate Broadleaf and Mixed Forests	2.263844265
80303	FMNH	Mus	Mus_callewaerti	1925	991	9.540921797	3.537262936	-7.862701492	17.20846043	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.282382386
80301	FMNH	Mus	Mus_callewaerti	1925	991	9.540921797	3.469759192	-7.862701492	17.20846043	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.282382386
90604	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.36598289	4.110873864	-7.3481002	146.673095	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
90610	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.36598289	4.025351691	-7.3481002	146.673095	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
90615	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.36598289	3.912023005	-7.3481002	146.673095	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
90595	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.36598289	3.970291914	-7.3481002	146.673095	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
90623	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.36598289	4.097672352	-7.3481002	146.673095	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
90591	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.36598289	3.988984047	-7.3481002	146.673095	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
90592	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.36598289	4.043051268	-7.3481002	146.673095	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146

90625	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.795489	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90618	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	4.060443	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90606	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	4.110873	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90596	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.720862	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90599	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.772760	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90605	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.931825	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90608	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.583518	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90619	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.761200	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90617	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.770459	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90616	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.912023	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90594	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.931825	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524

90611	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.951243	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90600	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.931825	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90645	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.681351	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90614	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	4.043051	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90603	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.688879	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90593	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.839452	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90602	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.901977	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90622	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.970291	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90613	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.688879	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90626	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.806662	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524
90612	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982	3.806662	-7.348	146.673	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524

90624	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982 89	3.561046083	-7.3481002	146.673095 7	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
90598	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982 89	3.698829785	-7.3481002	146.673095 7	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
90607	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982 89	3.761200116	-7.3481002	146.673095 7	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
90620	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982 89	3.640214282	-7.3481002	146.673095 7	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
90597	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982 89	3.744787086	-7.3481002	146.673095 7	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
90609	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982 89	3.583518938	-7.3481002	146.673095 7	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
90601	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982 89	3.597312261	-7.3481002	146.673095 7	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
90621	LACM	Paramelomys	Paramelomys_rubex	1922	991	12.365982 89	3.723280881	-7.3481002	146.673095 7	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.291524146
316843	USNM	Gerbillus	Gerbillus_floweri	1919	991	11.270693 21	4.037355435	30.416666 67	32.316666 67	Palearctic	Deserts and Xeric Shrublands	2.302585093
316847	USNM	Gerbillus	Gerbillus_floweri	1919	991	11.270693 21	4.014381863	31.133333 33	33.8	Palearctic	Deserts and Xeric Shrublands	2.302585093
316848	USNM	Gerbillus	Gerbillus_floweri	1919	991	11.270693 21	3.920833733	31.133333 33	33.8	Palearctic	Deserts and Xeric Shrublands	2.302585093

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316850	USNM	Gerbillus	Gerbillus_floweri	1919	991	11.27069321	3.850195426	31.13333333	33.8	Palearctic	Deserts and Xeric Shrublands	2.302585093
316844	USNM	Gerbillus	Gerbillus_floweri	1919	991	11.27069321	3.804123484	30.21666667	31.35	Palearctic	Flooded Grasslands and Savannas	2.302585093
316846	USNM	Gerbillus	Gerbillus_floweri	1919	991	11.27069321	3.696045978	29.25	31.08333333	Palearctic	Flooded Grasslands and Savannas	2.302585093
115112	TTU	Mus	Mus_indutus	1910	991	14.20872336	1.629240 54	-20.158307 4	21.192996 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.458733775
115155	TTU	Mus	Mus_indutus	1910	991	14.20872336	1.386294361	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.458733775
115159	TTU	Mus	Mus_indutus	1910	991	14.20872336	1.504077397	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.458733775
115161	TTU	Mus	Mus_indutus	1910	991	14.20872336	1.916922612	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.458733775
115156	TTU	Mus	Mus_indutus	1910	991	14.20872336	1.064710737	-20.162680 8	21.193173 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.458733775
115157	TTU	Mus	Mus_indutus	1910	991	14.20872336	1.840549633	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.458733775
81897	FMNH	Hylomyscus	Hylomyscus_carillus	1904	991	12.54294983	3.276703389	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.547881449

81903	FMNH	Hylomyscus	Hylomyscus_carillus	1904	991	12.54294983	3.266224216	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.547881449
81905	FMNH	Hylomyscus	Hylomyscus_carillus	1904	991	12.54294983	3.113667075	-9.22146	17.08333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.547881449
81907	FMNH	Hylomyscus	Hylomyscus_carillus	1904	991	12.54294983	3.12732304	-9.22146	17.08333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.547881449
81901	FMNH	Hylomyscus	Hylomyscus_carillus	1904	991	12.54294983	3.114591052	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.547881449
81899	FMNH	Hylomyscus	Hylomyscus_carillus	1904	991	12.54294983	3.113715827	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.547881449
81896	FMNH	Hylomyscus	Hylomyscus_carillus	1904	991	12.54294983	3.066372064	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.547881449
81898	FMNH	Hylomyscus	Hylomyscus_carillus	1904	991	12.54294983	3.036498045	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.547881449
81906	FMNH	Hylomyscus	Hylomyscus_carillus	1904	991	12.54294983	2.911255466	-9.22146	17.08333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.547881449
81850	FMNH	Hylomyscus	Hylomyscus_carillus	1904	991	12.54294983	2.161444334	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.547881449
35298	FMNH	Meriones	Meriones_tamariscinus	1773	776	14.75873302	4.942956755	44.23333333	79.82599113	Palearctic	Temperate Grasslands, Savannas and Shrublands	2.635479508
155457	USNM	Meriones	Meriones_tamariscinus	1773	776	14.75873302	4.847283371	44.16666667	80.01666667	Palearctic	Temperate Grasslands, Savannas and Shrublands	2.635479508

155459	USNM	Meriones	Meriones_tamariscinus	1773	776	14.75873302	4.572951934	44.16666667	80.01666667	Palearctic	Temperate Grasslands, Savannas and Shrublands	2.635479508
111379	TTU	Meriones	Meriones_tamariscinus	1773	776	14.75873302	3.974058396	42.159556	77.214361	Palearctic	Temperate Grasslands, Savannas and Shrublands	2.635479508
111381	TTU	Meriones	Meriones_tamariscinus	1773	776	14.75873302	4.411585437	42.159556	77.214361	Palearctic	Temperate Grasslands, Savannas and Shrublands	2.635479508
111380	TTU	Meriones	Meriones_tamariscinus	1773	776	14.75873302	4.314817885	42.159556	77.214361	Palearctic	Temperate Grasslands, Savannas and Shrublands	2.635479508
111377	TTU	Meriones	Meriones_tamariscinus	1773	776	14.75873302	4.077537444	42.159556	77.214361	Palearctic	Temperate Grasslands, Savannas and Shrublands	2.635479508
111378	TTU	Meriones	Meriones_tamariscinus	1773	776	14.75873302	4.136765278	42.159556	77.214361	Palearctic	Temperate Grasslands, Savannas and Shrublands	2.635479508
111382	TTU	Meriones	Meriones_tamariscinus	1773	776	14.75873302	4.309455942	42.137694	77.057389	Palearctic	Temperate Grasslands, Savannas and Shrublands	2.635479508
29020	FMNH	Rhombomys	Rhombomys_opimus	1823	600	15.33891242	5.203536594	44.23333333	79.82599113	Palearctic	Temperate Grasslands, Savannas and Shrublands	2.636912173
32891	FMNH	Rhombomys	Rhombomys_opimus	1823	600	15.33891242	5.160371102	45.15	101.46667	Palearctic	Deserts and Xeric Shrublands	2.636912173
103552	FMNH	Rhombomys	Rhombomys_opimus	1823	600	15.33891242	5.323009979	36	65	Palearctic	Deserts and Xeric Shrublands	2.636912173
97437	FMNH	Rhombomys	Rhombomys_opimus	1823	600	15.33891242	4.953125339	35.102	59.1042	Palearctic	Deserts and Xeric Shrublands	2.636912173

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103539	FMNH	Rhombomys	Rhombomys_opimus	1823	600	15.3389124	4.955827058	36.71666667	68.72760238	Palearctic	Deserts and Xeric Shrublands	2.636912173
97415	FMNH	Rhombomys	Rhombomys_opimus	1823	600	15.3389124	5.186267863	36.83706499	54.4335	Palearctic	Temperate Broadleaf and Mixed Forests	2.636912173
97418	FMNH	Rhombomys	Rhombomys_opimus	1823	600	15.3389124	4.918708463	36.83706499	54.4335	Palearctic	Temperate Broadleaf and Mixed Forests	2.636912173
29018	FMNH	Rhombomys	Rhombomys_opimus	1823	600	15.3389124	4.854262366	44.23333333	79.82599113	Palearctic	Temperate Grasslands, Savannas and Shrublands	2.636912173
103528	FMNH	Rhombomys	Rhombomys_opimus	1823	600	15.3389124	5.056245805	36.71666667	68.72760238	Palearctic	Deserts and Xeric Shrublands	2.636912173
32894	FMNH	Rhombomys	Rhombomys_opimus	1823	600	15.3389124	4.473805543	45.15	101.46667	Palearctic	Deserts and Xeric Shrublands	2.636912173
111814	USNM	Rattus	Rattus_burrus	1902	316	7.42984556	5.120838243	8.0882	93.5838	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	2.639057333
111809	USNM	Rattus	Rattus_burrus	1902	316	7.42984556	5.105761891	8.0882	93.5838	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	2.639057333
111804	USNM	Rattus	Rattus_burrus	1902	316	7.42984556	5.094973041	8.0882	93.5838	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	2.639057333
111808	USNM	Rattus	Rattus_burrus	1902	316	7.42984556	5.062944491	8.0882	93.5838	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	2.639057333

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111810	USNM	Rattus	Rattus_burrus	1902	316	7.42984556	5.060845637	8.0882	93.5838	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	2.63905733
111803	USNM	Rattus	Rattus_burrus	1902	316	7.42984556	4.999023427	8.0882	93.5838	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	2.63905733
111813	USNM	Rattus	Rattus_burrus	1902	316	7.42984556	4.949453493	8.0882	93.5838	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	2.63905733
111791	USNM	Rattus	Rattus_burrus	1902	316	7.42984556	4.936286963	7.0346	93.7842	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	2.63905733
111812	USNM	Rattus	Rattus_burrus	1902	316	7.42984556	4.901888235	8.0882	93.5838	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	2.63905733
111798	USNM	Rattus	Rattus_burrus	1902	316	7.42984556	4.566618914	7.3258	93.6928	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	2.63905733
357456	USNM	Melomys	Melomys_dollmani	1935	827	10.76041382	4.078542626	-7.517131326	146.583806 4	Australasia	Tropical and Subtropical Moist Broadleaf Forests	2.646174797
328047	USNM	Gerbillus	Gerbillus_aquilus	1972	911	13.23468518	3.812345474	27.21666667	60.23419792	Palearctic	Deserts and Xeric Shrublands	2.656054906
328043	USNM	Gerbillus	Gerbillus_aquilus	1972	911	13.23468518	3.782173631	27.21666667	60.23419792	Palearctic	Deserts and Xeric Shrublands	2.656054906

369321	USNM	Gerbillus	Gerbillus_aquilus	1972	911	13.23468518	3.688427207	28.8	63.26969833	Palearctic	Deserts and Xeric Shrublands	2.656054906
329062	USNM	Gerbillus	Gerbillus_aquilus	1972	911	13.23468518	3.660081192	30.263532	60.86666667	Palearctic	Deserts and Xeric Shrublands	2.656054906
329060	USNM	Gerbillus	Gerbillus_aquilus	1972	911	13.23468518	3.647510854	30.263532	60.86666667	Palearctic	Deserts and Xeric Shrublands	2.656054906
328045	USNM	Gerbillus	Gerbillus_aquilus	1972	911	13.23468518	3.615622122	27.216666667	60.23419792	Palearctic	Deserts and Xeric Shrublands	2.656054906
369341	USNM	Gerbillus	Gerbillus_aquilus	1972	911	13.23468518	3.506656798	28.8	63.26969833	Palearctic	Deserts and Xeric Shrublands	2.656054906
369331	USNM	Gerbillus	Gerbillus_aquilus	1972	911	13.23468518	3.473406009	28.8	63.26969833	Palearctic	Deserts and Xeric Shrublands	2.656054906
328164	USNM	Gerbillus	Gerbillus_aquilus	1972	911	13.23468518	3.408250108	27.216666667	60.23419792	Palearctic	Deserts and Xeric Shrublands	2.656054906
369324	USNM	Gerbillus	Gerbillus_aquilus	1972	911	13.23468518	3.15287444	28.8	63.26969833	Palearctic	Deserts and Xeric Shrublands	2.656054906
500939	USNM	Gerbillus	Gerbillus_pulvinatus	1896	851	10.44423616	3.583518938	2.28	36.88	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.658159431
500944	USNM	Gerbillus	Gerbillus_pulvinatus	1896	851	10.44423616	3.555348061	1.92	36.12	Afrotropic	Deserts and Xeric Shrublands	2.658159431
500941	USNM	Gerbillus	Gerbillus_pulvinatus	1896	851	10.44423616	3.465735903	1.92	36.12	Afrotropic	Deserts and Xeric Shrublands	2.658159431

500940	USNM	Gerbillus	Gerbillus_pulvinatus	1896	851	10.44423616	3.526360525	2.28	36.88	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.658159431
500938	USNM	Gerbillus	Gerbillus_pulvinatus	1896	851	10.44423616	3.367295 83	2.28	36.88	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.658159431
500943	USNM	Gerbillus	Gerbillus_pulvinatus	1896	851	10.44423616	3.433987204	1.92	36.12	Afrotropic	Deserts and Xeric Shrublands	2.658159431
500942	USNM	Gerbillus	Gerbillus_pulvinatus	1896	851	10.44423616	3.295836866	1.92	36.12	Afrotropic	Deserts and Xeric Shrublands	2.658159431
466700	USNM	Lemniscomys	Lemniscomys_linulus	1910	991	12.44825177	3.496507561	9.42	-7.52	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.684440335
115023	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.012772909	-20.018744 9	21.361735 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114935	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.923951576	-20.018744 9	21.361735 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
115139	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.053522568	-20.019296 4	21.264532 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
115134	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.696351469	-20.020031	21.355839 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114219	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.332200451	-20.142574 3	21.193579 7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665

114892	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.009149716	-20.144463	21.194165 7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114891	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.050044303	-20.144463	21.194165 7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114224	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.317488114	-20.146625	21.199565 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114893	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.149463861	-20.147209 4	21.194092 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114903	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.053522568	-20.151145 4	21.197676 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114225	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.060443011	-20.151335	21.197800 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114226	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.330733334	-20.151335	21.197800 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114869	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.600157644	-20.151470 8	21.197571 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114902	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.910021003	-20.151470 8	21.197571 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665

114901	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.933784497	-20.151478	21.197573	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114851	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.069026754	-20.158763 2	21.197599 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114889	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.001863709	-20.158763 2	21.197599 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
115214	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.021773869	-20.160816 4	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114835	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.166665224	-20.160816 4	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114882	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.046553898	-20.160816 4	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114834	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.320151231	-20.160816 4	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114207	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.094344562	-20.160982 5	21.192702 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665

114213	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.110873864	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114214	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.234106505	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114212	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.871201011	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114216	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.297285406	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114210	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.007333185	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114211	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.941581808	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114215	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.110873864	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114217	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.951243719	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114218	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.912023005	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114833	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.663561646	-20.161117 8	21.192971	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114900	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.393213824	-20.16	21.192224 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665

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114899	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.097672352	-20.161136 7	21.192224 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114832	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.459466629	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114881	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.314186005	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114880	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.276666119	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114208	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.343805422	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114209	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.499800967	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114844	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.166665224	-20.161549	21.195287 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114886	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.062165664	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665

114884	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.007333185	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114885	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.740047741	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114221	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.219507705	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114222	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.449987546	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114223	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.806662 49	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114887	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.889777396	-20.161811 5	21.194924	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114888	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.070734697	-20.161811 5	21.194924	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114220	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.998200702	-20.162100 9	21.194646 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665

114883	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.11414719	-20.162254	21.194581	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114898	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.120661871	-20.162680	21.193173	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114866	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.918005077	-20.162680	21.193173	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114863	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.248495242	-20.162680	21.193173	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114867	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.120661871	-20.162680	21.193173	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114864	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.046553898	-20.162680	21.193173	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114857	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.258445573	-20.163033	21.193356	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114859	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.244200318	-20.163033	21.193356	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665

114896	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.182050143	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
115218	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.972176928	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114860	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.169761202	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114897	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.100989105	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114227	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.881563798	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114229	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.043051268	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114228	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.143134726	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114907	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.676300672	-20.196559 1	21.108114 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665

114906	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.298645026	-20.196559 1	21.108114 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114904	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.010962953	-20.197444 4	21.108535 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114870	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	4.383275854	-20.197444 4	21.108535 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
114905	TTU	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	3.998200702	-20.197444 4	21.108535 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.738902665
41220	LACM	Gerbilliscus	Gerbilliscus_leucogaster	1852	795	15.56735817	2.833213344	-21.56	16.19	Afrotropic	Deserts and Xeric Shrublands	2.738902665
32742	FMNH	Meriones	Meriones_meridianus	1773	776	15.63425834	4.499239 72	44.58333	102.06667	Palearctic	Deserts and Xeric Shrublands	2.763800216
21911	FMNH	Meriones	Meriones_meridianus	1773	776	15.63425834	4.374971 82	36	109.466666 7	Palearctic	Temperate Broadleaf and Mixed Forests	2.763800216
32741	FMNH	Meriones	Meriones_meridianus	1773	776	15.63425834	4.342186906	44.58333	102.06667	Palearctic	Deserts and Xeric Shrublands	2.763800216
32729	FMNH	Meriones	Meriones_meridianus	1773	776	15.63425834	4.326277215	44.8	106.81667	Palearctic	Deserts and Xeric Shrublands	2.763800216
43426	FMNH	Meriones	Meriones_meridianus	1773	776	15.63425834	4.270986665	38.997803	112.297786	Palearctic	Temperate Grasslands, Savannas and Shrublands	2.763800216

36134	FMNH	Meriones	Meriones_meridianus	1773	776	15.63425834	4.058430604	39.766666667	64.416666667	Palearctic	Deserts and Xeric Shrublands	2.763800216
106654	FMNH	Meriones	Meriones_meridianus	1773	776	15.63425834	3.676300672	38.58333	63.18333	Palearctic	Deserts and Xeric Shrublands	2.763800216
43425	FMNH	Meriones	Meriones_meridianus	1773	776	15.63425834	3.866153071	37.866666667	112.55	Palearctic	Temperate Broadleaf and Mixed Forests	2.763800216
29017	FMNH	Meriones	Meriones_meridianus	1773	776	15.63425834	3.796246636	44.233333333	79.825991 13	Palearctic	Temperate Grasslands, Savannas and Shrublands	2.763800216
81972	FMNH	Aethomys	Aethomys_thomasi	1897	201	12.50879274	4.881674001	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.795450391
81971	FMNH	Aethomys	Aethomys_thomasi	1897	201	12.50879274	4.768843834	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.795450391
81963	FMNH	Aethomys	Aethomys_thomasi	1897	201	12.50879274	4.707760596	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.795450391
81970	FMNH	Aethomys	Aethomys_thomasi	1897	201	12.50879274	4.608573719	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.795450391
80275	FMNH	Aethomys	Aethomys_thomasi	1897	201	12.50879274	4.596068706	-6.55	20.966666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.795450391
80276	FMNH	Aethomys	Aethomys_thomasi	1897	201	12.50879274	4.324979997	-7.223017413	16.58016113	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.795450391
81975	FMNH	Aethomys	Aethomys_thomasi	1897	201	12.50879274	4.283202042	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.795450391

81922	FMNH	Aethomys	Aethomys_thomasi	1897	2012	12.508792	4.190148441	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.795450391
88227	AMNH	Aethomys	Aethomys_thomasi	1897	2012	12.508792	4.130516903	-11.424927	17.154407	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.795450391
88223	AMNH	Aethomys	Aethomys_thomasi	1897	2012	12.508792	3.991292575	-11.424927	17.154407	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.795450391
191645	FMNH	Aethomys	Aethomys_nyikae	1897	9912	13.707874	4.860414476	-10.72	33.67	Afrotropic	Montane Grasslands and Shrublands	2.823163008
81923	FMNH	Aethomys	Aethomys_nyikae	1897	9912	13.707874	4.811283717	-9.22146	17.08333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.823163008
81928	FMNH	Aethomys	Aethomys_nyikae	1897	9912	13.707874	4.804024056	-9.22146	17.08333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.823163008
196708	FMNH	Aethomys	Aethomys_nyikae	1897	9912	13.707874	4.543294782	-9.654867	33.5386	Afrotropic	Montane Grasslands and Shrublands	2.823163008
81925	FMNH	Aethomys	Aethomys_nyikae	1897	9912	13.707874	4.694524838	-9.22146	17.08333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.823163008
81926	FMNH	Aethomys	Aethomys_nyikae	1897	9912	13.707874	4.690644398	-9.22146	17.08333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.823163008
191641	FMNH	Aethomys	Aethomys_nyikae	1897	9912	13.707874	4.688486072	-10.72	33.67	Afrotropic	Montane Grasslands and Shrublands	2.823163008
191642	FMNH	Aethomys	Aethomys_nyikae	1897	9912	13.707874	4.503144178	-10.72	33.67	Afrotropic	Montane Grasslands and Shrublands	2.823163008

81927	FMNH	Aethomys	Aethomys_nyikae	1897	991	13.70787489	4.436307685	-9.22146	17.08333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.823163008
81929	FMNH	Aethomys	Aethomys_nyikae	1897	991	13.70787489	4.181160724	-9.22146	17.08333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.823163008
43462	FMNH	Gerbilliscus	Gerbilliscus_boehmi	1887	736	13.96450676	5.250297964	-1.15	35.766666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.893145685
162269	USNM	Gerbilliscus	Gerbilliscus_boehmi	1887	736	13.96450676	5.189057181	0.466666	39.916666	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.893145685
43463	FMNH	Gerbilliscus	Gerbilliscus_boehmi	1887	736	13.96450676	5.120104759	-1.15	35.766666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.893145685
162270	USNM	Gerbilliscus	Gerbilliscus_boehmi	1887	736	13.96450676	5.078857399	0.466666	39.916666	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.893145685
27310	FMNH	Gerbilliscus	Gerbilliscus_boehmi	1887	736	13.96450676	4.783122788	-2.51667	32.66667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.893145685
162264	USNM	Gerbilliscus	Gerbilliscus_boehmi	1887	736	13.96450676	4.702182346	0.466666	39.916666	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.893145685
162266	USNM	Gerbilliscus	Gerbilliscus_boehmi	1887	736	13.96450676	4.608841013	0.466666	39.916666	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.893145685
90485	FMNH	Gerbilliscus	Gerbilliscus_boehmi	1887	736	13.96450676	4.558453151	-10.71667	25.4725	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.893145685
114890	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.356708827	-20.144463	21.194165 7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985

114894	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.209160237	-20.147668 2	21.196026	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114895	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	3.725693427	-20.147668 2	21.196026	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114197	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.584967479	-20.150720 8	21.19758	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114193	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	3.637588616	-20.150720 8	21.19758	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114196	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.406719247	-20.150720 8	21.19758	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114198	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.158883083	-20.150720 8	21.19758	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114192	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.477336814	-20.151335	21.197808	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114194	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.394449155	-20.151335	21.197808	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114199	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	3.951243719	-20.151335	21.197808	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985

114195	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	3.761200	-20.151335	21.197800	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114868	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	4.003690	-20.151470	21.197573	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114856	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	4.486386	-20.158763	21.197596	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114852	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	4.125520	-20.158763	21.197596	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114838	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	4.360547	-20.160814	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114839	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	4.115779	-20.160814	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114837	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	4.067315	-20.160814	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114840	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	4.050044	-20.160814	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114836	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	4.237000	-20.16	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985

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114872	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.276666119	-20.160985	21.192702	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114186	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.543294782	-20.160985	21.192702	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114876	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.158883083	-20.161012	21.190578	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114873	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	3.871201011	-20.161012	21.190578	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114187	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.219507705	-20.161012	21.190578	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114825	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.174378727	-20.161117	21.192971	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114188	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.219507705	-20.161128	21.191094	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114831	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.343805422	-20.161280	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114877	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.430816799	-20.16	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985

								12803				
114830	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	4.114147	-20.161280	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114828	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	3.985273	-20.161280	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114829	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	3.427514	-20.161280	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114879	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	4.369447	-20.161280	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114827	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	3.879499	-20.161280	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114826	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	3.919991	-20.161280	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114878	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	4.043051	-20.161280	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114842	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.549929	4.352855	-20.161549	21.195287 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985

114843	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.157319361	-20.161549	21.195287 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114845	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.096009842	-20.161549	21.195287 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114841	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.210645018	-20.161549	21.195287 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114191	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.65396035	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114189	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.430816799	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114190	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.234106505	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114848	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.216562195	-20.161811 5	21.194924	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114849	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.087655574	-20.161811 5	21.194924	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114850	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	3.875359021	-20.161811 5	21.194924	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985

114847	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.143134726	-20.161811	21.194924	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114853	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.099332104	-20.162640	21.196905	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
115215	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.247065649	-20.162640	21.196905	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114854	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.001863709	-20.162640	21.196905	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114855	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	3.779633817	-20.162640	21.196905	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114865	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.290459441	-20.162680	21.193173	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114862	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.079230924	-20.162680	21.193173	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114861	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.206184044	-20.162680	21.193173	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985

114205	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.5499293	4.158883083	-20.162689	21.193384	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114200	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.5499293	4.330733334	-20.162689	21.193384	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114203	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.5499293	4.234106505	-20.162689	21.193384	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114202	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.5499293	4.262679877	-20.162689	21.193384	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114201	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.5499293	4.276666119	-20.162689	21.193384	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114204	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.5499293	3.540959324	-20.162689	21.193384	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114846	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.5499293	4.094344562	-20.163033	21.193356	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
114858	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.5499293	3.931825633	-20.163033	21.193356	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985

114206	TTU	Gerbilliscus	Gerbilliscus_brantsii	1836	7	14.54992933	4.077537444	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.903616985
165285	USNM	Dipodillus	Dipodillus_stigmonyx	1877	421	10.27090005	2.871686 22	15.583333 33	32.533333 33	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.915064 37
165286	USNM	Dipodillus	Dipodillus_stigmonyx	1877	421	10.27090005	2.759070921	15.583333 33	32.533333 33	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.915064 37
165284	USNM	Dipodillus	Dipodillus_stigmonyx	1877	421	10.27090005	2.675464 83	15.583333 33	32.533333 33	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.915064 37
165283	USNM	Dipodillus	Dipodillus_stigmonyx	1877	421	10.27090005	2.447281876	15.583333 33	32.533333 33	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.915064 37
61047	LACM	Stochomys	Stochomys_longicaudatus	1893	1019	14.43969795	4.304065093	0.75	30.1167	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	2.918851229
61048	LACM	Stochomys	Stochomys_longicaudatus	1893	1019	14.43969795	2.944438979	0.75	30.1167	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	2.918851229
61042	LACM	Stochomys	Stochomys_longicaudatus	1893	1019	14.43969795	3.044522438	0.75	30.1167	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	2.918851229
74811	LACM	Melomys	Melomys_cervinipes	1852	362	12.28974928	4.430816799	-27.33333	152.76666	Australasia	Temperate Broadleaf and Mixed Forests	2.919391044
85900	LACM	Melomys	Melomys_cervinipes	1852	362	12.28974928	4.564348191	-28.52932	153.26999	Australasia	Temperate Broadleaf and Mixed Forests	2.919391044
85902	LACM	Melomys	Melomys_cervinipes	1852	362	12.28974928	3.761200116	-28.52932	153.26999	Australasia	Temperate Broadleaf and Mixed Forests	2.919391044

85901	LACM	Melomys	Melomys_cervinipes	1852	362	12.28974928	4.290459441	-28.52932	153.26999	Australasia	Temperate Broadleaf and Mixed Forests	2.919391004
85899	LACM	Melomys	Melomys_cervinipes	1852	362	12.28974928	4.189654742	-28.52932	153.26999	Australasia	Temperate Broadleaf and Mixed Forests	2.919391004
74810	LACM	Melomys	Melomys_cervinipes	1852	362	12.28974928	3.912023005	-30.09546	152.72079	Australasia	Temperate Broadleaf and Mixed Forests	2.919391004
154165	FMNH	Praomys	Praomys_misonnei	1987	1031	11.87867552	3.784189634	-0.55	29.87	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.921008727
149576	FMNH	Praomys	Praomys_misonnei	1987	1031	11.87867552	3.555348061	1.42	28.58	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	2.921008727
149598	FMNH	Praomys	Praomys_misonnei	1987	1031	11.87867552	3.583518938	1.42	28.58	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	2.921008727
223594	FMNH	Praomys	Praomys_misonnei	1987	1031	11.87867552	3.526360525	0.43695	32.9543	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.921008727
165339	FMNH	Praomys	Praomys_misonnei	1987	1031	11.87867552	3.449987546	1.6714	31.5369	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.921008727
224942	FMNH	Praomys	Praomys_misonnei	1987	1031	11.87867552	3.367209583	-0.9122222	31.6425	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.921008727
149574	FMNH	Praomys	Praomys_misonnei	1987	1031	11.87867552	3.433987204	1.42	28.58	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	2.921008727
224944	FMNH	Praomys	Praomys_misonnei	1987	1031	11.87867552	3.526360525	-0.9122222	31.6425	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.921008727

223598	FMNH	Praomys	Praomys_misonnei	1987	1031	11.87867552	3.407841924	0.43695	32.9543	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.921008727
165327	FMNH	Praomys	Praomys_misonnei	1987	1031	11.87867552	3.135494216	1.7089	31.5261	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.921008727
115129	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.901977267	-20.020031	21.355839 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115149	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.706228092	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115142	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.478158423	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115148	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.616308761	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115120	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.658420247	-20.027498 1	21.354412 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115123	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.502549876	-20.027498 1	21.354412 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114324	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	2.917770732	-20.142574 3	21.193579 7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466

114331	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.737669618	-20.146625	21.195651	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115029	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.637588616	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114323	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.433987204	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114322	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.465735903	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114824	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.157000421	-20.161117 8	21.192971	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114327	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.688879454	-20.161128 9	21.191095 4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115044	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.663561646	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115032	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.511545439	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115036	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.417726684	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466

115037	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.367295583	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115030	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.218875825	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114871	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.277144733	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115051	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.691376334	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115043	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.761200116	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115042	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.250374492	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115153	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.678829118	-20.161307 7	21.192856 4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115154	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.292126287	-20.161307 7	21.192856 4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466

115091	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.660994251	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115098	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.871201011	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114314	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.610917913	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114317	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.526360525	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114316	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.465735903	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114313	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.555348061	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114315	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.401197382	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114319	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.481240089	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466

114321	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	2.944438979	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114311	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.555348061	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114318	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.332200451	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114312	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.555348061	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114320	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	2.917770732	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115070	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.824284091	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
115068	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.686376324	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114329	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	4.465908119	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466

114330	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.772760938	-20.161549	21.195048	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114328	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.828641396	-20.162100	21.194646	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
114769	TTU	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	4.105943698	-20.162254	21.194580	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.970414466
57663	LACM	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	2.833213344	-23.2	16.76667	Afrotropic	Deserts and Xeric Shrublands	2.970414466
61434	TCWC	Micaelamys	Micaelamys_namaquensis	1834	7	15.02106614	3.650658241	-28.418888	24.073333	Afrotropic	Deserts and Xeric Shrublands	2.970414466
79581	TTU	Meriones	Meriones_crassus	1842	975	15.73552973	4.094344562	34.424999	8.4251699	Palearctic	Mediterranean Forests, Woodlands and Scrub	2.977568303
79582	TTU	Meriones	Meriones_crassus	1842	975	15.73552973	3.912023005	34.424999	8.4251699	Palearctic	Mediterranean Forests, Woodlands and Scrub	2.977568303
79580	TTU	Meriones	Meriones_crassus	1842	975	15.73552973	3.401197382	32.798084	10.449999	Palearctic	Deserts and Xeric Shrublands	2.977568303
79586	TTU	Meriones	Meriones_crassus	1842	975	15.73552973	3.871201011	32.048547	10.737420	Palearctic	Deserts and Xeric Shrublands	2.977568303
79583	TTU	Meriones	Meriones_crassus	1842	975	15.73552973	4.219507705	31.941486	10.449999	Palearctic	Deserts and Xeric Shrublands	2.977568303

67544	LACM	Meriones	Meriones_crassus	1842	975	15.73552973	2.785011242	20.4	56.25	Palearctic	Deserts and Xeric Shrublands	2.977568303
67545	LACM	Meriones	Meriones_crassus	1842	975	15.73552973	2.809402695	20.4	56.25	Palearctic	Deserts and Xeric Shrublands	2.977568303
67546	LACM	Meriones	Meriones_crassus	1842	975	15.73552973	2.850706502	20.4	56.25	Palearctic	Deserts and Xeric Shrublands	2.977568303
317978	USNM	Gerbillus	Gerbillus_agag	1903	991	11.84096118	3.298608058	18.016666667	33.983333333	Palearctic	Deserts and Xeric Shrublands	2.984671326
297497	USNM	Gerbillus	Gerbillus_agag	1903	991	11.84096118	2.923150182	19.566666667	37.216666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.984671326
297495	USNM	Gerbillus	Gerbillus_agag	1903	991	11.84096118	2.414112668	19.566666667	37.216666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	2.984671326
297496	USNM	Gerbillus	Gerbillus_agag	1903	991	11.84096118	2.412263773	20	35.5	Palearctic	Deserts and Xeric Shrublands	2.984671326
297498	USNM	Dipodillus	Dipodillus_lowei	1923	995	8.144804808	3.746335941	13	25	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.113515309
297499	USNM	Dipodillus	Dipodillus_lowei	1923	995	8.144804808	3.518383137	13	25	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.113515309
172885	FMNH	Haeromys	Haeromys_pusillus	1893	991	10.85227692	2.205720908	14.766666667	120.95	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.133753571
79615	TTU	Gerbillus	Gerbillus_gerbillus	1801	751	16.05456673	3.178053833	33.502578 7	9.0216703	Palearctic	Flooded Grasslands and Savannas	3.146735147

79604	TTU	Gerbillus	Gerbillus_gerbillus	1801	751	16.05456673	3.401197382	31.959510 8	10.449999 8	Palearctic	Deserts and Xeric Shrublands	3.146735147
41022	FMNH	Niviventer	Niviventer_brahma	1914	991	10.38382117	4.700033654	28.116667	97.7	Palearctic	Montane Grasslands and Shrublands	3.151453149
41023	FMNH	Niviventer	Niviventer_brahma	1914	991	10.38382117	4.583501983	28.116667	97.7	Palearctic	Montane Grasslands and Shrublands	3.151453149
41020	FMNH	Niviventer	Niviventer_brahma	1914	991	10.38382117	4.525063599	28.116667	97.7	Palearctic	Montane Grasslands and Shrublands	3.151453149
41021	FMNH	Niviventer	Niviventer_brahma	1914	991	10.38382117	4.466935266	28.116667	97.7	Palearctic	Montane Grasslands and Shrublands	3.151453149
41019	FMNH	Niviventer	Niviventer_brahma	1914	991	10.38382117	4.385219502	28.116667	97.7	Palearctic	Montane Grasslands and Shrublands	3.151453149
564468	USNM	Niviventer	Niviventer_brahma	1914	991	10.38382117	3.806662249	27.25	96.866666 67	Indo-Malay	Temperate Broadleaf and Mixed Forests	3.151453149
219465	FMNH	Arvicanthis	Arvicanthis_neumanni	1894	651	14.01309747	4.248495242	-7.7997198	35.765831	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.164630881
219456	FMNH	Arvicanthis	Arvicanthis_neumanni	1894	651	14.01309747	3.936301178	-7.666666667	34.866666 67	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.164630881
219466	FMNH	Arvicanthis	Arvicanthis_neumanni	1894	651	14.01309747	4.158883083	-7.7997198	35.765831	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.164630881

219313	FMNH	Arvicanthis	Arvicanthis_neumanni	1894	651	14.01309747	3.817712326	-7.68125	34.92989	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.16463081
158037	FMNH	Arvicanthis	Arvicanthis_neumanni	1894	651	14.01309747	3.881563798	-3.8403	36.0056	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.16463081
219312	FMNH	Arvicanthis	Arvicanthis_neumanni	1894	651	14.01309747	3.663561646	-7.68125	34.92989	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.16463081
219315	FMNH	Arvicanthis	Arvicanthis_neumanni	1894	651	14.01309747	3.688879454	-7.68125	34.92989	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.16463081
219311	FMNH	Arvicanthis	Arvicanthis_neumanni	1894	651	14.01309747	3.569532696	-7.68125	34.92989	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.16463081
219314	FMNH	Arvicanthis	Arvicanthis_neumanni	1894	651	14.01309747	3.737669618	-7.68125	34.92989	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.16463081
219316	FMNH	Arvicanthis	Arvicanthis_neumanni	1894	651	14.01309747	3.597312261	-7.68125	34.92989	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.16463081
80287	FMNH	Myomyscus	Myomyscus_angolensis	1890	93	12.52682531	4.230647645	-6.583333333	15.95	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.17052564
83880	FMNH	Myomyscus	Myomyscus_angolensis	1890	93	12.52682531	4.039494069	-12.43333333	15.51666667	Afrotropic	Montane Grasslands and Shrublands	3.17052564
80288	FMNH	Myomyscus	Myomyscus_angolensis	1890	93	12.52682531	4.014609319	-6.583333333	15.95	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.17052564

83899	FMNH	Myomyscus	Myomyscus_angolensis	1890	93	12.52682531	3.964485109	-15.06667	13.55	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.170525564
80286	FMNH	Myomyscus	Myomyscus_angolensis	1890	93	12.52682531	3.938183142	-6.583333333	15.95	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.170525564
83901	FMNH	Myomyscus	Myomyscus_angolensis	1890	93	12.52682531	3.917869922	-15.06667	13.55	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.170525564
83900	FMNH	Myomyscus	Myomyscus_angolensis	1890	93	12.52682531	3.837936923	-15.06667	13.55	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.170525564
83883	FMNH	Myomyscus	Myomyscus_angolensis	1890	93	12.52682531	3.693422185	-12.46667	15.18333	Afrotropic	Montane Grasslands and Shrublands	3.170525564
83891	FMNH	Myomyscus	Myomyscus_angolensis	1890	93	12.52682531	3.672711083	-12.46667	15.18333	Afrotropic	Montane Grasslands and Shrublands	3.170525564
81900	FMNH	Myomyscus	Myomyscus_angolensis	1890	93	12.52682531	3.141695144	-8.87396	16.08645	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.170525564
28680	FMNH	Acomys	Acomys_mullah	1904	991	11.98555882	4.004008849	7.833333333	41.03333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.205993199
28677	FMNH	Acomys	Acomys_mullah	1904	991	11.98555882	3.846647381	8.7	39.98333333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.205993199
28681	FMNH	Acomys	Acomys_mullah	1904	991	11.98555882	3.717834175	7.833333333	41.03333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.205993199
28679	FMNH	Acomys	Acomys_mullah	1904	991	11.98555882	3.665806969	7.75	40.7	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.205993199

28678	FMNH	Acomys	Acomys_mullah	1904	991	11.98555882	3.624452146	7.75	40.7	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.205993199
28676	FMNH	Acomys	Acomys_mullah	1904	991	11.98555882	3.577014957	8.7	39.98333333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.205993199
28682	FMNH	Acomys	Acomys_mullah	1904	991	11.98555882	3.368585729	7.833333333	41.03333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.205993199
28683	FMNH	Acomys	Acomys_mullah	1904	991	11.98555882	3.198778668	11.692276 8	38.03881652	Afrotropic	Montane Grasslands and Shrublands	3.205993199
44411	FMNH	Otomys	Otomys_lacustris	1933	314	9.810450407	4.872675742	-9.333333	34.016666 6	Afrotropic	Montane Grasslands and Shrublands	3.217675104
155461	FMNH	Otomys	Otomys_lacustris	1933	314	9.810450407	4.820281566	-8.3472	35.9389	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.217675104
163761	FMNH	Otomys	Otomys_lacustris	1933	314	9.810450407	4.787491743	-9.166666667	33.58333333	Afrotropic	Montane Grasslands and Shrublands	3.217675104
166648	FMNH	Otomys	Otomys_lacustris	1933	314	9.810450407	4.787491743	-6.3792	36.9361	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.217675104
204994	FMNH	Otomys	Otomys_lacustris	1933	314	9.810450407	4.653960 35	-9.0693	33.96063	Afrotropic	Montane Grasslands and Shrublands	3.217675104
166908	FMNH	Otomys	Otomys_lacustris	1933	314	9.810450407	4.663439094	-6.3792	36.9361	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.217675104
204741	FMNH	Otomys	Otomys_lacustris	1933	314	9.810450407	4.653960 35	-9.333	34.016666 67	Afrotropic	Montane Grasslands and Shrublands	3.217675104

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204742	FMNH	Otomys	Otomys_lacustris	1933	314	9.810450407	4.691347882	-9.333333333	34.016666667	Afrotropic	Montane Grasslands and Shrublands	3.217675104
155623	FMNH	Otomys	Otomys_lacustris	1933	314	9.810450407	4.369447852	-8.475	35.9069	Afrotropic	Flooded Grasslands and Savannas	3.217675104
UAZ 22070	UAZ	Meriones	Meriones_libycus	1823	600	15.87339338	3.951243719	32.953299	-4.103493	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.249986822
70596	LACM	Aethomys	Aethomys_kaiseri	1887	736	14.34220398	4.248495242	-1.533333333	37.266666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.271088696
66773	FMNH	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	4.081748975	4.1	33.1	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.276767303
483995	USNM	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	3.951243719	0.766666667	37.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.276767303
66750	FMNH	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	4.056979402	4.416666667	32.566666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.276767303
299712	USNM	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	4.004465786	4.416666667	32.566666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.276767303
484001	USNM	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	3.688879454	3.4	38.566666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.276767303
483998	USNM	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	3.871201011	1.966666667	34.95	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.276767303

483984	USNM	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	4.007333185	2.216666667	36.9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.276767303
483987	USNM	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	3.871201011	0.566666667	37.55	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.276767303
483996	USNM	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	3.713572067	0.416666667	37.6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.276767303
40305	LACM	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	4.007333185	2.13333	36.85	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.276767303
40304	LACM	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	3.912023005	2.13333	36.85	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.276767303
40303	LACM	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	2.708050201	2.13333	36.85	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.276767303
40306	LACM	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	3.401197382	2.13333	36.85	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.276767303
M016798	UBCBBM	Taterillus	Taterillus_harringtoni	1906	991	13.21551671	3.459466629	1.666667	36.466667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.276767303
115022	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.234749174	-20.018744 9	21.361735 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114940	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.346389145	-20.018744 9	21.361735 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115024	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.165475048	-20.018749	21.361735	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115138	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.462606 01	-20.019296 4	21.264532 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115137	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.446807893	-20.019296 4	21.264532 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115131	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.502549876	-20.020031	21.355839 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115132	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.349904087	-20.020031	21.355839 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115130	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.335769576	-20.020031	21.355839 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115136	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.332204 51	-20.020031	21.355839 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115135	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.696351469	-20.020031	21.355839 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115113	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.744787086	-20.020031	21.355839 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115133	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.100092289	-20.020031	21.355839 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115114	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.632309103	-20.026303 6	21.355251 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115116	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.691376334	-20.026303 6	21.355251 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115115	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.397858 48	-20.026303 6	21.355251 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115117	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.095577609	-20.026303 6	21.355251 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115146	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.538056564	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115021	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.632309103	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115143	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.879499814	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115147	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.202746443	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115151	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.238678452	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115152	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.277144733	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114938	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.713572067	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115145	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.563882964	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114939	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.054001182	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115141	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.517497837	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115019	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.424262655	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115144	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.321432413	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115020	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.401197382	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115150	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.310543013	-20.026395 3	21.354563	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115121	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.465735903	-20.027498 1	21.354412 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115127	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.563882964	-20.027498 1	21.354412 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115124	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.342861805	-20.027498 1	21.354412 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115122	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.303216973	-20.027498 1	21.354412 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115125	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.332200451	-20.027498 1	21.354412 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115128	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.387774361	-20.027498 1	21.354412 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115126	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.446807893	-20.027498 1	21.354412 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115080	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.610917913	-20.144462 3	21.194165 7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115079	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.597312261	-20.144462 3	21.194165 7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115081	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.784189634	-20.144462 3	21.194165 7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115082	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.496507561	-20.144462 3	21.194165 7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114774	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.180522258	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114773	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.348986781	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115217	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.475006723	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115088	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.328626689	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115085	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.325036021	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114775	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.988984047	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115087	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.7208625	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115086	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.391147046	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115084	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.242592351	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114986	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.242592351	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115083	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.446807893	-20.147668 2	21.196026	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

114782	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.119037175	-20.151145 4	21.197676 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115009	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.306886702	-20.151145 4	21.197676 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114783	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.668676747	-20.151145 4	21.197676 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115220	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.47506723	-20.151145 4	21.197676 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114153	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.135166557	-20.151335	21.197800 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114154	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.025351691	-20.151335	21.197800 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114155	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.094344562	-20.151335	21.197800 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114766	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.401197382	-20.160730 5	21.191822 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114764	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.713572067	-20.160730 5	21.191822 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

114765	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.555348061	-20.160730 5	21.191822 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115064	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.899950424	-20.160816 4	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115066	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.569532696	-20.160816 4	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115065	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.39785848	-20.160816 4	21.195851	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114141	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.258096538	-20.160982 5	21.192702 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115028	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.496507561	-20.161117 8	21.192971	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114145	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.477336814	-20.161128 9	21.191095 4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114151	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.650658241	-20.161128 9	21.191095 4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

114761	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.881563798	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115063	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.433987204	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115060	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.314186005	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115058	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.594568775	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114756	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.440418095	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115033	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.511545439	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115041	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.314186005	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115061	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.178053383	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115040	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.044522438	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114758	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.837299459	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114768	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.929862924	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115052	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.802208139	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114753	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.691376334	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115053	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.730501129	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115047	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.499533282	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115062	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.449987546	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115056	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.751854253	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115046	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.575150689	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115055	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.543853682	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115054	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.543853682	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115059	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.569532696	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115039	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.465735903	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114754	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.292126287	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115048	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.404525172	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

114757	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.538056564	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114755	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.468855603	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114759	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.538056564	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115057	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.594568775	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114767	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.737669618	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114760	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.401197382	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115034	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.295836866	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115035	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.238678452	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115050	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.394508394	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115038	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.113515309	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115045	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.222867846	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115027	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.178055383	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115049	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.265759411	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115031	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.295836866	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114762	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.068052935	-20.161307 7	21.192856 4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114763	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.122364924	-20.161307 7	21.192856 4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115096	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.813307032	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115109	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.468855603	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115094	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.496507561	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115092	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.502549876	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115110	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.377587516	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115099	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.772760938	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115100	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.421000009	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115093	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.186352633	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115095	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.109060959	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115107	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.728100167	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115106	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.575150689	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115102	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.563882964	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115104	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.490428515	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115221	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.618993327	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115111	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.589059119	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115108	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.493472658	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115101	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.701301974	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115222	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.580737295	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115103	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.678829118	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115105	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.303216973	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115097	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.349904087	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114143	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.094344562	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114144	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.110873864	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114142	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.135494216	-20.161378 6	21.194129 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115077	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.2396525	3.277144733	-20.161549	21.195287 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115076	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.2396525	3.433987204	-20.161549	21.195287 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114772	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.2396525	4.280824129	-20.161549	21.195287 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115071	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.2396525	3.728100167	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115072	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.2396525	3.532225644	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115074	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.2396525	3.478158423	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115069	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.2396525	3.404525172	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114771	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.2396525	4.192680463	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115075	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.2396525	3.711130063	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115073	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.616308761	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114150	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.382026635	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114148	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.569532696	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114152	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.077537444	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114149	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.433987204	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115078	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.186352633	-20.161811 5	21.194924	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114146	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.234106505	-20.162100 9	21.194646 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114147	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.828641396	-20.162100 9	21.194646 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

114770	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.918005077	-20.162254 6	21.194580 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115067	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.144152279	-20.162254 6	21.194580 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114778	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.354141431	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114779	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.433194921	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114776	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.910021003	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114780	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.241326753	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114781	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.238444906	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114777	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.039536326	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983

115219	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.860729711	-20.162689	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114158	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.174387727	-20.162689 7	21.193384 4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114157	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.276666119	-20.162689 7	21.193384 4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114156	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.850147602	-20.162689 7	21.193384 4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115089	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.561046083	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
115090	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.826465117	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114784	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	3.893859035	-20.195773	21.107931 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
114159	TTU	Aethomys	Aethomys_chrysophilus	1896	201	15.23965525	4.317488114	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.310177983
470450	USNM	Mus	Mus_neavei	1910	991	9.11819711	2.079441542	-4.833333333	-4	NA	NA	3.323956301

470449	USNM	Mus	Mus_neavei	1910	991	9.11819711	2.079441542	-20.16666667	30.91666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.323956301
366991	USNM	Mus	Mus_neavei	1910	991	9.11819711	1.221942542	-15.68333333	33.8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.323956301
366992	USNM	Mus	Mus_neavei	1910	991	9.11819711	1.140255592	-15.68333333	33.8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.323956301
427200	USNM	Aethomys	Aethomys_silindensis	1938	860	9.858952827	4.8978398	-19.701	32.866	Afrotropic	Montane Grasslands and Shrublands	3.341801172
427199	USNM	Aethomys	Aethomys_silindensis	1938	860	9.858952827	5.093750201	-19.701	32.866	Afrotropic	Montane Grasslands and Shrublands	3.341801172
427198	USNM	Aethomys	Aethomys_silindensis	1938	860	9.858952827	4.941642423	-19.701	32.866	Afrotropic	Montane Grasslands and Shrublands	3.341801172
427197	USNM	Aethomys	Aethomys_silindensis	1938	860	9.858952827	4.852030264	-19.701	32.866	Afrotropic	Montane Grasslands and Shrublands	3.341801172
427196	USNM	Aethomys	Aethomys_silindensis	1938	860	9.858952827	5.062595033	-19.701	32.866	Afrotropic	Montane Grasslands and Shrublands	3.341801172
427193	USNM	Aethomys	Aethomys_silindensis	1938	860	9.858952827	4.477336814	-19.23	32.23	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.341801172
427195	USNM	Aethomys	Aethomys_silindensis	1938	860	9.858952827	4.709530201	-20.41666667	32.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.341801172

114945	TTU	Lemniscomys	Lemniscomys_rosalia	1904	991	14.70315495	3.784189634	-20.151478	21.197573	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.348850901
114944	TTU	Lemniscomys	Lemniscomys_rosalia	1904	991	14.70315495	3.895893623	-20.161136	21.192226	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.348850901
114943	TTU	Lemniscomys	Lemniscomys_rosalia	1904	991	14.70315495	3.532225644	-20.161136	21.192226	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.348850901
114946	TTU	Lemniscomys	Lemniscomys_rosalia	1904	991	14.70315495	3.681351188	-20.196559	21.108114	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.348850901
61432	TCWC	Lemniscomys	Lemniscomys_rosalia	1904	991	14.70315495	3.860729711	-23.593055	29.783889	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.348850901
547090	USNM	Lemniscomys	Lemniscomys_bellieri	1975	1030	12.3948583	3.737669618	9.75	-12.17	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.357593744
466719	USNM	Lemniscomys	Lemniscomys_bellieri	1975	1030	12.3948583	3.761200116	7.82	-4.68	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.357593744
466749	USNM	Lemniscomys	Lemniscomys_bellieri	1975	1030	12.3948583	3.496507561	7.82	-4.68	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.357593744
466712	USNM	Lemniscomys	Lemniscomys_bellieri	1975	1030	12.3948583	3.178005383	7.82	-4.68	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.357593744

105178	FMNH	Lemniscomys	Lemniscomys_bellieri	1975	1030	12.3948583	3.526211376	9.75	-5.83333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.357593744
105179	FMNH	Lemniscomys	Lemniscomys_bellieri	1975	1030	12.3948583	3.334218013	8.96667	-5.83333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.357593744
466715	USNM	Lemniscomys	Lemniscomys_bellieri	1975	1030	12.3948583	2.995732274	7.82	-4.68	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.357593744
466747	USNM	Lemniscomys	Lemniscomys_bellieri	1975	1030	12.3948583	3.218875825	7.82	-4.68	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.357593744
422087	USNM	Lemniscomys	Lemniscomys_bellieri	1975	1030	12.3948583	2.772588722	8.08	2.52	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.357593744
466720	USNM	Lemniscomys	Lemniscomys_bellieri	1975	1030	12.3948583	2.708050201	9.07	-1.75	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.357593744
53108	LACM	Deomys	Deomys_ferrugineus	1888	991	14.0729146	2.944438979	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.362456553
53101	LACM	Deomys	Deomys_ferrugineus	1888	991	14.0729146	3.737669618	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.362456553
53102	LACM	Deomys	Deomys_ferrugineus	1888	991	14.0729146	3.850147602	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.362456553
53103	LACM	Deomys	Deomys_ferrugineus	1888	991	14.0729146	3.850147602	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.362456553
53105	LACM	Deomys	Deomys_ferrugineus	1888	991	14.0729146	3.891820298	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.362456553

53104	LACM	Deomys	Deomys_ferrugineus	1888	991	14.0729146	3.555348061	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.362456553
53107	LACM	Deomys	Deomys_ferrugineus	1888	991	14.0729146	3.610917913	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.362456553
53106	LACM	Deomys	Deomys_ferrugineus	1888	991	14.0729146	3.871201011	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.362456553
53100	LACM	Deomys	Deomys_ferrugineus	1888	991	14.0729146	3.970291914	1.25	30.88333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.362456553
53099	LACM	Deomys	Deomys_ferrugineus	1888	991	14.0729146	4.077537444	1.25	30.88333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.362456553
53093	LACM	Deomys	Deomys_ferrugineus	1888	991	14.0729146	4.499800967	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.362456553
53094	LACM	Deomys	Deomys_ferrugineus	1888	991	14.0729146	4.110873864	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.362456553
74821	LACM	Rattus	Rattus_fuscipes	1839	1088	13.09569162	4.595119851	-27.33333	152.76666	Australasia	Temperate Broadleaf and Mixed Forests	3.379292546
74822	LACM	Rattus	Rattus_fuscipes	1839	1088	13.09569162	4.418840608	-27.33333	152.76666	Australasia	Temperate Broadleaf and Mixed Forests	3.379292546
74820	LACM	Rattus	Rattus_fuscipes	1839	1088	13.09569162	4.983606622	-27.33333	152.76666	Australasia	Temperate Broadleaf and Mixed Forests	3.379292546
74823	LACM	Rattus	Rattus_fuscipes	1839	1088	13.09569162	3.688879454	-27.33333	152.76666	Australasia	Temperate Broadleaf and Mixed Forests	3.379292546

85905	LACM	Rattus	Rattus_fuscipes	1839	1088	13.09569162	4.770684624	-28.52932	153.26999	Australasia	Temperate Broadleaf and Mixed Forests	3.379292546
85906	LACM	Rattus	Rattus_fuscipes	1839	1088	13.09569162	4.867533445	-28.52932	153.26999	Australasia	Temperate Broadleaf and Mixed Forests	3.379292546
85904	LACM	Rattus	Rattus_fuscipes	1839	1088	13.09569162	4.644390899	-28.52932	153.26999	Australasia	Temperate Broadleaf and Mixed Forests	3.379292546
74814	LACM	Rattus	Rattus_fuscipes	1839	1088	13.09569162	4.356708827	-30.09546	152.72079	Australasia	Temperate Broadleaf and Mixed Forests	3.379292546
74819	LACM	Rattus	Rattus_fuscipes	1839	1088	13.09569162	4.330733334	-30.09546	152.72079	Australasia	Temperate Broadleaf and Mixed Forests	3.379292546
74818	LACM	Rattus	Rattus_fuscipes	1839	1088	13.09569162	4.189654742	-30.09546	152.72079	Australasia	Temperate Broadleaf and Mixed Forests	3.379292546
74816	LACM	Rattus	Rattus_fuscipes	1839	1088	13.09569162	4.584967479	-30.09546	152.72079	Australasia	Temperate Broadleaf and Mixed Forests	3.379292546
74815	LACM	Rattus	Rattus_fuscipes	1839	1088	13.09569162	4.442651256	-30.09546	152.72079	Australasia	Temperate Broadleaf and Mixed Forests	3.379292546
74817	LACM	Rattus	Rattus_fuscipes	1839	1088	13.09569162	4.143134726	-30.09546	152.72079	Australasia	Temperate Broadleaf and Mixed Forests	3.379292546
70608	LACM	Aethomys	Aethomys_hindei	1902	991	14.72461398	4.499809967	-1.53333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.380654448
70603	LACM	Aethomys	Aethomys_hindei	1902	991	14.72461398	4.605170186	-1.53333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.380654448

70600	LACM	Aethomys	Aethomys_hindei	1902	991	14.72461398	4.605170186	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70602	LACM	Aethomys	Aethomys_hindei	1902	991	14.72461398	4.653960035	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70612	LACM	Aethomys	Aethomys_hindei	1902	991	14.72461398	4.700480366	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70609	LACM	Aethomys	Aethomys_hindei	1902	991	14.72461398	4.605170186	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70606	LACM	Aethomys	Aethomys_hindei	1902	991	14.72461398	4.605170186	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70607	LACM	Aethomys	Aethomys_hindei	1902	991	14.72461398	4.382026635	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70611	LACM	Aethomys	Aethomys_hindei	1902	991	14.72461398	4.382026635	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70619	LACM	Aethomys	Aethomys_hindei	1902	991	14.72461398	3.912023005	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70613	LACM	Aethomys	Aethomys_hindei	1902	991	14.72461398	4.317488114	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70615	LACM	Aethomys	Aethomys_hindei	1902	991	14.72461398	4.094344562	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70610	LACM	Aethomys	Aethomys_hindei	1902	991	14.72461398	4.248495242	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448

70599	LACM	Aethomys	Aethomys_hindei	1902	991	14.7246139	2.302585093	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70598	LACM	Aethomys	Aethomys_hindei	1902	991	14.7246139	2.708050201	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70614	LACM	Aethomys	Aethomys_hindei	1902	991	14.7246139	4.700480366	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70604	LACM	Aethomys	Aethomys_hindei	1902	991	14.7246139	4.605170186	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70617	LACM	Aethomys	Aethomys_hindei	1902	991	14.7246139	4.317488114	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70618	LACM	Aethomys	Aethomys_hindei	1902	991	14.7246139	4.317488114	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70616	LACM	Aethomys	Aethomys_hindei	1902	991	14.7246139	4.382026635	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70605	LACM	Aethomys	Aethomys_hindei	1902	991	14.7246139	4.317488114	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70601	LACM	Aethomys	Aethomys_hindei	1902	991	14.7246139	4.317488114	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70620	LACM	Aethomys	Aethomys_hindei	1902	991	14.7246139	4.605170186	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
70621	LACM	Aethomys	Aethomys_hindei	1902	991	14.7246139	2.995732274	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448

70597	LACM	Aethomys	Aethomys_hindei	1902	991	14.7246139	3.688879454	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.38065448
53160	LACM	Colomys	Colomys_goslingi	1907	999	13.7154404	3.931825633	0.816666667	20.06666667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.391483689
53159	LACM	Colomys	Colomys_goslingi	1907	999	13.7154404	4.189654742	0.816666667	20.06666667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.391483689
53161	LACM	Colomys	Colomys_goslingi	1907	999	13.7154404	3.784189634	0.816666667	20.06666667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.391483689
53163	LACM	Colomys	Colomys_goslingi	1907	999	13.7154404	4.025351691	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.391483689
53166	LACM	Colomys	Colomys_goslingi	1907	999	13.7154404	4.077537444	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.391483689
53162	LACM	Colomys	Colomys_goslingi	1907	999	13.7154404	3.401197382	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.391483689
53164	LACM	Colomys	Colomys_goslingi	1907	999	13.7154404	4.060443011	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.391483689
53165	LACM	Colomys	Colomys_goslingi	1907	999	13.7154404	4.317488114	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.391483689
UAZ 13300	UAZ	Praomys	Praomys_jacksoni	1897	201	15.1356741	3.526360525	0.266667	34.916667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.402196882
UAZ 13299	UAZ	Praomys	Praomys_jacksoni	1897	201	15.1356741	3.951243719	0.266667	34.916667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.402196882

UAZ 13301	UAZ	Praomys	Praomys_jacksoni	1897	201	15.13567411	3.761200116	-1.062046	35.229945	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.402196882
53714	LACM	Grammomys	Grammomys_dolichurus	1832	946	14.99639208	3.555348061	2.13333	36.85	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.405521353
53004	LACM	Hybomys	Hybomys_univittatus	1876	795	14.62233113	3.63758616	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.422958873
53005	LACM	Hybomys	Hybomys_univittatus	1876	795	14.62233113	3.713572067	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.422958873
53001	LACM	Hybomys	Hybomys_univittatus	1876	795	14.62233113	3.737669618	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.422958873
53000	LACM	Hybomys	Hybomys_univittatus	1876	795	14.62233113	3.737669618	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.422958873
53006	LACM	Hybomys	Hybomys_univittatus	1876	795	14.62233113	3.891820298	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.422958873
52999	LACM	Hybomys	Hybomys_univittatus	1876	795	14.62233113	4.007333185	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.422958873
53003	LACM	Hybomys	Hybomys_univittatus	1876	795	14.62233113	3.713572067	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.422958873
53002	LACM	Hybomys	Hybomys_univittatus	1876	795	14.62233113	3.806626249	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.422958873
52997	LACM	Hybomys	Hybomys_univittatus	1876	795	14.62233113	3.806626249	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.422958873

52998	LACM	Hybomys	Hybomys_univittatus	1876	795	14.6223311	4.025351691	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.422958873
18091	TTU	Hybomys	Hybomys_univittatus	1876	795	14.6223311	3.806662496	5.766670202	9.28333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.422958873
18093	TTU	Hybomys	Hybomys_univittatus	1876	795	14.6223311	4.174387273	4.583330202	12.800002	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.422958873
53037	LACM	Hybomys	Hybomys_univittatus	1876	795	14.6223311	3.295836866	1.25	30.88333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.422958873
53039	LACM	Hybomys	Hybomys_univittatus	1876	795	14.6223311	3.850147602	1.25	30.88333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.422958873
53036	LACM	Hybomys	Hybomys_univittatus	1876	795	14.6223311	3.384390263	1.25	30.88333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.422958873
53038	LACM	Hybomys	Hybomys_univittatus	1876	795	14.6223311	4.007333185	1.25	30.88333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.422958873
53012	LACM	Hybomys	Hybomys_univittatus	1876	795	14.6223311	3.583518938	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.422958873
53008	LACM	Hybomys	Hybomys_univittatus	1876	795	14.6223311	3.806662496	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.422958873
53009	LACM	Hybomys	Hybomys_univittatus	1876	795	14.6223311	3.850147602	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.422958873
53010	LACM	Hybomys	Hybomys_univittatus	1876	795	14.6223311	3.931825633	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.422958873

53013	LACM	Hybomys	Hybomys_univittatus	1876	795	14.6223311	3.951243719	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.422958873
53007	LACM	Hybomys	Hybomys_univittatus	1876	795	14.6223311	3.713572067	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.422958873
53011	LACM	Hybomys	Hybomys_univittatus	1876	795	14.6223311	3.891820298	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.422958873
UAZ 13293	UAZ	Mus	Mus_musculoides	1853	988	15.4279041	2.197224577	0.266667	34.916667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.424588334
UAZ 13294	UAZ	Mus	Mus_musculoides	1853	988	15.4279041	2.302585093	0.266667	34.916667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.424588334
70548	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.382026635	-1.533333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70562	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.553876892	-1.533333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70546	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.605170186	-1.533333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70560	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.653960350	-1.533333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70559	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.553876892	-1.533333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70547	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.553876892	-1.533333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496

70545	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	3.555348061	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70566	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.499800967	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70552	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.499800967	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70563	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.605170186	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70565	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.605170186	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70570	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.553876892	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70569	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.499800967	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70568	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.382026635	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70550	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	3.401197382	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70549	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	3.218875825	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70554	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.787491743	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496

70551	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.605170186	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70564	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.605170186	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70558	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.382026635	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70556	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	3.555348061	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70553	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.317488114	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70567	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.382026635	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70561	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.094344562	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70557	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.094344562	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70555	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.248495242	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
70571	LACM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.248495242	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
57903	TCWC	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.4575037	4.477336814	8.4244444444	39.039166667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496

57902	TCWC	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.45750378	4.406719247	8.424444444	39.03916667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
57901	TCWC	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.45750378	4.709530201	8.424444444	39.03916667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
57900	TCWC	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.45750378	4.709530201	8.424444444	39.03916667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
M016789	UBCBBM	Gerbilliscus	Gerbilliscus_robustus	1826	169	15.45750378	4.644390899	1.666667	36.46666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.451890496
61071	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.060443011	0.816666667	20.06666667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.476614021
61061	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.317488114	0.816666667	20.06666667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.476614021
70634	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.094344562	-1.533333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70637	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.912023005	-1.533333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70631	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.007333185	-1.533333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70640	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.094344562	-1.533333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70642	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.218875825	-1.533333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

70628	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.555348061	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70633	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.094344562	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70632	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.007333185	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70641	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.401197382	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70626	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.806626249	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70643	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.912023005	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70645	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.912023005	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70635	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.401197382	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70627	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.995732274	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70649	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.218875825	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70629	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.248495242	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

70625	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.218875825	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70638	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.094344562	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70647	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.094344562	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70648	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.806662249	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70644	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.912023005	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70639	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.555348061	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70646	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.555348061	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70630	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.806662249	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70636	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.555348061	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
70650	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.218875825	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
UAZ 23453	UAZ	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.610917913	9.016667	38.083333	Afrotropic	Montane Grasslands and Shrublands	3.476614021

53130	LACM	Mastomys	Mastomys_natalensis	1834	7	16.6282361	2.302585093	2.13333	36.85	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.476614021
36360	LACM	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.198673118	1.75	31.58333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
36361	LACM	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.526360525	1.75	31.58333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
36367	LACM	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.725693427	1.75	31.58333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
36365	LACM	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.737669618	1.75	31.58333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
36362	LACM	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.80666249	1.75	31.58333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
36359	LACM	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.850147602	1.75	31.58333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
36363	LACM	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.941581808	1.75	31.58333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
36366	LACM	Mastomys	Mastomys_natalensis	1834	7	16.6282361	4.060443011	1.75	31.58333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
36364	LACM	Mastomys	Mastomys_natalensis	1834	7	16.6282361	4.17438727	1.75	31.58333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
36358	LACM	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.891820298	1.75	31.58333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

61072	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.871201011	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.476614021
53151	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	1.945910149	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.476614021
35580	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.484900665	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.476614021
35581	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.602689685	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.476614021
35582	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.995732274	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.476614021
71400	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.276666119	-12.6833	32.1167	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71399	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.219507705	-12.6833	32.1167	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71817	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.995732274	-12.6833	32.1167	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71819	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.995732274	-12.6833	32.1167	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71820	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.295836866	-12.6833	32.1167	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71398	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.995732274	-12.6833	32.1167	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

71402	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.583518938	-12.7333	32.25	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71403	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.465735903	-12.7333	32.25	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71401	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.135494216	-12.7333	32.25	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71373	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.110873864	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71364	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.248495242	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71372	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.043051268	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71370	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.143134726	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71374	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.912023005	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71362	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.526360525	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71379	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.713572067	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71369	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.871201011	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

71371	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.555348061	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71381	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.784189634	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71375	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.610917913	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71397	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.583518938	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71395	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.784189634	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71367	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.135494216	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71363	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.044522438	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71361	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.995732274	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71396	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.944438979	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71390	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.484900665	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71377	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.951243719	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

71378	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.988984047	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71376	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.248495242	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71382	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.094344562	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71385	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.496507561	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71393	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.465735903	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71386	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.688879454	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71387	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.433987204	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71383	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.583518938	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71380	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.178005383	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71384	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.218875825	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71368	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.890371758	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

71392	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.890371758	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71365	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.044522438	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71366	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.833213344	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71391	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.995732274	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71394	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.833213344	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71389	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.833213344	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
71388	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.944438979	-12.75	32.0833	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114795	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.000719815	-20.018749	21.361735	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114936	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.879198457	-20.018749	21.361735	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114937	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.960105096	-20.018749	21.361735	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

114991	TTU	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.261935314	-20.145717	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114981	TTU	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.676300672	-20.145717	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114983	TTU	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.284663565	-20.145717	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114990	TTU	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.058707073	-20.145717	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114988	TTU	Mastomys	Mastomys_natalensis	1834	7	16.6282361	2.839078464	-20.145717	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114979	TTU	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.091042453	-20.145717	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114980	TTU	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.310543013	-20.145717	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114982	TTU	Mastomys	Mastomys_natalensis	1834	7	16.6282361	3.063390922	-20.145717	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

114993	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.970414466	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114978	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.980618636	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114992	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.901421594	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114989	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.803360381	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114974	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.226843995	-20.146332	21.194962	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114972	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.803360381	-20.146332	21.194962	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114971	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.772588722	-20.146332	21.194962	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114973	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.295836866	-20.146332	21.194962	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114975	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.890371758	-20.146332	21.194962	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114977	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.039749159	-20.14	21.194096	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

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114976	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.76000994	-20.147209 4	21.194092 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114984	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.218875825	-20.147668 2	21.196026	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114985	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.113515309	-20.147668 2	21.196026	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115008	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.030133 7	-20.151470 8	21.197571 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115007	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.226843995	-20.151470 8	21.197571 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114969	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.113515309	-20.158763 2	21.197599 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114967	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.234749174	-20.158763 2	21.197599 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114968	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.954910279	-20.158763 2	21.197599 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

114963	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.08190997	-20.158763 2	21.197599 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114970	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.970414466	-20.158763 2	21.197599 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114947	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.058707073	-20.160982 5	21.192702 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114874	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	4.025351691	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114948	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.33220451	-20.161012	21.190578 5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115213	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.349904087	-20.161117 8	21.192971	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114952	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.135494216	-20.161117 8	21.192971	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114955	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.954910279	-20.161117 8	21.192971	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114953	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.933835687	-20.161117 8	21.192971	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

114954	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.346389145	-20.161117 8	21.192971	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114957	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.044522438	-20.161117 8	21.192971	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115006	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.844909384	-20.161136 7	21.192224 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114950	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.890371758	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114956	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.015534901	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114949	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.833213344	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114998	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.044522438	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114951	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.708050201	-20.161280 3	21.193086	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

114961	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.269568939	-20.161549	21.195287 3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114960	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.063390922	-20.161549 3	21.195048 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114962	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.254242969	-20.161811 5	21.194924	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114958	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.549617387	-20.162254 6	21.194580 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114959	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.471966453	-20.162254 6	21.194580 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114966	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.317815773	-20.162640 6	21.196905 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114965	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.772588722	-20.162640 6	21.196905 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115216	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.848017675	-20.162640 6	21.196905 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114964	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.377587516	-20.16	21.196905 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

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115001	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.417726684	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114999	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.449987546	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115002	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.332200451	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115005	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.202746443	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115003	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.873564464	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115004	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.135494216	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115000	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.081900997	-20.162680 9	21.193173 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114995	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.254242969	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

114997	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.131136911	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114994	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.394508394	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
114996	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.068052935	-20.163033 1	21.193356 1	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115016	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.772588722	-20.195773	21.107931 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115017	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.104586678	-20.196559 1	21.108114 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115015	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.960105096	-20.196559 1	21.108114 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115018	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.549445171	-20.196559 1	21.108114 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115012	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.230804396	-20.197444 4	21.108535 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115010	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.020424886	-20.19	21.108535 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021

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115014	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.532225644	-20.197444 4	21.108535 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115013	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	2.862200881	-20.197444 4	21.108535 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
115011	TTU	Mastomys	Mastomys_natalensis	1834	7	16.62823613	3.238678452	-20.197444 4	21.108535 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.476614021
57965	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	0.693147181	-21.23	16.57	Afrotropic	Deserts and Xeric Shrublands	3.476614021
57975	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	0.693147181	-21.23	16.57	Afrotropic	Deserts and Xeric Shrublands	3.476614021
57971	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	0.693147181	-21.23	16.57	Afrotropic	Deserts and Xeric Shrublands	3.476614021
57972	LACM	Mastomys	Mastomys_natalensis	1834	7	16.62823613	0.693147181	-21.23	16.57	Afrotropic	Deserts and Xeric Shrublands	3.476614021
189376	FMNH	Lophuromys	Lophuromys_luteogaster	1934	398	11.06034043	3.705858205	-2.2784	28.7718	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.487680842
189377	FMNH	Lophuromys	Lophuromys_luteogaster	1934	398	11.06034043	3.650727325	-2.2784	28.7718	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.487680842

160717	FMNH	Lophuromys	Lophuromys_luteogaster	1934	398	11.06034043	3.663561646	-1.01666667	29.56666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.487680842
189375	FMNH	Lophuromys	Lophuromys_luteogaster	1934	398	11.06034043	3.393751733	-2.2784	28.7718	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.487680842
160715	FMNH	Lophuromys	Lophuromys_luteogaster	1934	398	11.06034043	3.555348061	-1.01666667	29.56666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.487680842
74830	LACM	Rattus	Rattus_lutreolus	1841	478	12.47159597	4.189654742	-16.65622	145.33333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.496810546
74829	LACM	Rattus	Rattus_lutreolus	1841	478	12.47159597	4.574710979	-16.88333	145.71666	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.496810546
74828	LACM	Rattus	Rattus_lutreolus	1841	478	12.47159597	4.262679877	-17.30482	145.57177	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.496810546
M-278542	AMNH	Rattus	Rattus_lutreolus	1841	478	12.47159597	4.343805422	-41.75	146.2	Australasia	Temperate Broadleaf and Mixed Forests	3.496810546
M-278543	AMNH	Rattus	Rattus_lutreolus	1841	478	12.47159597	4.499800967	-41.75	146.2	Australasia	Temperate Broadleaf and Mixed Forests	3.496810546
M-278541	AMNH	Rattus	Rattus_lutreolus	1841	478	12.47159597	4.653906035	-41.75	146.2	Australasia	Temperate Broadleaf and Mixed Forests	3.496810546
M-278545	AMNH	Rattus	Rattus_lutreolus	1841	478	12.47159597	4.700480366	-41.75	146.2	Australasia	Temperate Broadleaf and Mixed Forests	3.496810546

M-278544	AMNH	Rattus	Rattus_lutreolus	1841	478	12.47159597	4.744932128	-41.75	146.2	Australasia	Temperate Broadleaf and Mixed Forests	3.496810546
M-278546	AMNH	Rattus	Rattus_lutreolus	1841	478	12.47159597	4.753590191	-41.75	146.2	Australasia	Temperate Broadleaf and Mixed Forests	3.496810546
M-278540	AMNH	Rattus	Rattus_lutreolus	1841	478	12.47159597	4.762173935	-41.75	146.2	Australasia	Temperate Broadleaf and Mixed Forests	3.496810546
M-278547	AMNH	Rattus	Rattus_lutreolus	1841	478	12.47159597	4.867533445	-41.75	146.2	Australasia	Temperate Broadleaf and Mixed Forests	3.496810546
225091	AMNH	Melasmothrix	Melasmothrix_naso	1921	676	9.341802867	3.912023005	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.511246887
225086	AMNH	Melasmothrix	Melasmothrix_naso	1921	676	9.341802867	4.007333185	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.511246887
225087	AMNH	Melasmothrix	Melasmothrix_naso	1921	676	9.341802867	3.970291914	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.511246887
225095	AMNH	Melasmothrix	Melasmothrix_naso	1921	676	9.341802867	3.912023005	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.511246887
225101	AMNH	Melasmothrix	Melasmothrix_naso	1921	676	9.341802867	4.060443011	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.511246887

225103	AMNH	Melasmothrix	Melasmothrix_naso	1921	676	9.34180286 7	3.761200116	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.511246887
225080	AMNH	Melasmothrix	Melasmothrix_naso	1921	676	9.34180286 7	3.912023005	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.511246887
225092	AMNH	Melasmothrix	Melasmothrix_naso	1921	676	9.34180286 7	3.688879454	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.511246887
225110	AMNH	Melasmothrix	Melasmothrix_naso	1921	676	9.34180286 7	3.688879454	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.511246887
225085	AMNH	Melasmothrix	Melasmothrix_naso	1921	676	9.34180286 7	3.871201011	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.511246887
114252	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.238678452	-20.14425466	21.194012 4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114258	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.663561646	-20.14644944	21.195010 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114259	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.540959324	-20.14644944	21.195010 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377

114257	TTU	Mastomys	Mastomys_coucha	1834	7	14.055514	3.417726684	-20.146449	21.195012	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114254	TTU	Mastomys	Mastomys_coucha	1834	7	14.055514	3.218875825	-20.146449	21.195012	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114263	TTU	Mastomys	Mastomys_coucha	1834	7	14.055514	3.496507561	-20.146449	21.195012	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114260	TTU	Mastomys	Mastomys_coucha	1834	7	14.055514	3.314186005	-20.146449	21.195012	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114253	TTU	Mastomys	Mastomys_coucha	1834	7	14.055514	2.944438979	-20.146625	21.195651	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114255	TTU	Mastomys	Mastomys_coucha	1834	7	14.055514	3.761200116	-20.146625	21.195651	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114256	TTU	Mastomys	Mastomys_coucha	1834	7	14.055514	2.833213344	-20.146625	21.195651	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114265	TTU	Mastomys	Mastomys_coucha	1834	7	14.055514	2.917770732	-20.150720 8	21.19758	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114262	TTU	Mastomys	Mastomys_coucha	1834	7	14.055514	3.526360525	-20.151335	21.197808	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377

114266	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.238678452	-20.151335	21.197808	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114267	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.674148649	-20.151335	21.197808	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114250	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.178053383	-20.160985	21.192702	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114251	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.332204510	-20.161549	21.195048	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114269	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.020424886	-20.162689	21.193384	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114268	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.970414466	-20.162689	21.193384	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114270	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.917770732	-20.162689	21.193384	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114286	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.157000421	-20.196540	21.109243	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114282	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.135494216	-20.196540	21.109243	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377

114297	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.833213344	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114294	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.862200881	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114283	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.481240089	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114292	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.349904087	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114290	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.602689685	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114301	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.674148649	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114298	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.708050201	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114275	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.737669618	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377

114274	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.713572067	-20.196543	21.109246	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114288	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.890371758	-20.196543	21.109246	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114306	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.674148649	-20.196543	21.109246	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114307	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.674148649	-20.196543	21.109246	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114296	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.772588722	-20.196543	21.109246	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114277	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.772588722	-20.196543	21.109246	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114281	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.772588722	-20.196543	21.109246	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114300	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.760009940	-20.196543	21.109246	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377

114304	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.674148649	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114291	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.602689685	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114287	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.442347035	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114285	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.564949357	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114305	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.468099531	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114273	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.555348061	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114284	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.360375387	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114272	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.295836866	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377

114280	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.218875825	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114302	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.944438979	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114279	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.617395833	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114276	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.674148649	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114295	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.63905733	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114303	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.694627181	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114289	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.602689685	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114299	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.525728644	-20.196540 3	21.109243 6	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377

114278	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.63905733	-20.196543	21.109246	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
114293	TTU	Mastomys	Mastomys_coucha	1834	7	14.0555144	2.602689685	-20.196543	21.109246	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
61531	TCWC	Mastomys	Mastomys_coucha	1834	7	14.0555144	3.258096538	-23.593056	29.783889	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.522234377
87597	FMNH	Anonymomys	Anonymomys_mindorensis	1981	706	6.387264619	4.048925571	13.2833	121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.526360525
87596	FMNH	Anonymomys	Anonymomys_mindorensis	1981	706	6.387264619	4.031040609	13.2833	121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.526360525
79607	TTU	Dipodillus	Dipodillus_campestris	1867	611	13.96797157	3.637586165	35.208610	8.9505796	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.549329989
79606	TTU	Dipodillus	Dipodillus_campestris	1867	611	13.96797157	3.591817741	34.028739	8.1333303	Palearctic	Deserts and Xeric Shrublands	3.549329989
79605	TTU	Dipodillus	Dipodillus_campestris	1867	611	13.96797157	3.449987546	34.028739	8.1333303	Palearctic	Deserts and Xeric Shrublands	3.549329989
57895	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.77528214	4.276666119	8.424444444	39.039166667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.583241122

57892	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752814	4.317488114	8.424444444	39.039166667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.583241122
57894	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752814	4.33073334	8.424444444	39.039166667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.583241122
57893	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752814	3.688879454	8.424444444	39.039166667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.583241122
57947	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752814	4.060443011	8.361944444	35.883888889	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57949	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752814	4.158883083	8.361944444	35.883888889	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57950	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752814	4.127134385	8.361944444	35.883888889	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57948	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752814	3.970291914	8.361944444	35.883888889	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57953	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752814	3.871201011	8.361944444	35.883888889	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57951	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752814	3.871201011	8.361944444	35.883888889	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
58677	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752814	4.290459441	8.040277778	36.021388889	Afrotropic	Montane Grasslands and Shrublands	3.583241122
58676	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752814	4.127134385	8.040277778	36.021388889	Afrotropic	Montane Grasslands and Shrublands	3.583241122

58674	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752821	4.007333185	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	3.583241122
58720	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752821	3.871201011	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	3.583241122
58721	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752821	4.007333185	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	3.583241122
58678	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752821	4.007333185	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	3.583241122
58722	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752821	3.970291914	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	3.583241122
58675	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752821	3.951243719	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	3.583241122
58717	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752821	4.043051268	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	3.583241122
58672	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752821	4.189654742	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	3.583241122
58681	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752821	3.951243719	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	3.583241122
58673	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752821	3.988984047	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	3.583241122
58719	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.7752821	3.988984047	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	3.583241122

58680	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.775282	4.158883	8.040278	36.021389	Afrotropic	Montane Grasslands and Shrublands	3.583241122
58718	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.775282	3.688879	8.040278	36.021389	Afrotropic	Montane Grasslands and Shrublands	3.583241122
57939	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.775282	4.189654	7.872222	35.479722	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57938	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.775282	4.276666	7.872222	35.479722	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57940	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.775282	3.912023	7.872222	35.479722	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57931	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.775282	3.970291	7.872222	35.479722	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57933	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.775282	3.828641	7.872222	35.479722	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57934	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.775282	3.871201	7.872222	35.479722	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57921	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.775282	3.988984	7.3002778	35.273333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57922	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.775282	3.737669	7.3002778	35.273333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57914	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.775282	3.850147	7.299444	35.258056	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122

57916	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.77528214	4.276666119	7.293611111	35.26944444	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
57917	TCWC	Mastomys	Mastomys_erythroleucus	1853	988	15.77528214	4.143134726	7.293611111	35.26944444	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.583241122
299820	USNM	Mus	Mus_tenellus	1903	991	13.10562396	NA	4.416666667	32.56666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.583518938
16874	FMNH	Lophuromys	Lophuromys_aquilus	1892	1016	15.30409801	4.133761314	0.133333333	35.96666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.592093185
26533	FMNH	Lophuromys	Lophuromys_aquilus	1892	1016	15.30409801	3.966808478	-1	29.83333333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.592093185
43814	FMNH	Lophuromys	Lophuromys_aquilus	1892	1016	15.30409801	3.924858314	0.95	37.4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.592093185
137763	FMNH	Lophuromys	Lophuromys_aquilus	1892	1016	15.30409801	3.871201011	-0.541667	0.492222	NA	NA	3.592093185
26529	FMNH	Lophuromys	Lophuromys_aquilus	1892	1016	15.30409801	3.658747423	-1.3	29.86666667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.592093185
149526	FMNH	Lophuromys	Lophuromys_aquilus	1892	1016	15.30409801	3.433987204	1.42	28.58	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.592093185
43813	FMNH	Lophuromys	Lophuromys_aquilus	1892	1016	15.30409801	3.529476276	0.95	37.4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.592093185
210923	FMNH	Lophuromys	Lophuromys_aquilus	1892	1016	15.30409801	3.540959324	-3.7	35.66666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.592093185

90491	FMNH	Lophuromys	Lophuromys_aquilus	1892	1016	15.30409801	3.371653036	-10.71667	25.4725	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.592093185
86278	FMNH	Lophuromys	Lophuromys_aquilus	1892	1016	15.30409801	3.299084995	-1.25	36.66666667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.592093185
UAZ 13348	UAZ	Lophuromys	Lophuromys_aquilus	1892	1016	15.30409801	3.663561646	0.266667	34.916667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.592093185
28736	FMNH	Myomyscus	Myomyscus_brockmani	1908	991	14.35382783	3.898928774	7.75	40.7	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.593744259
73923	FMNH	Myomyscus	Myomyscus_brockmani	1908	991	14.35382783	3.566450785	3.833333333	33.45	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.593744259
28753	FMNH	Myomyscus	Myomyscus_brockmani	1908	991	14.35382783	3.535283639	13.3564	39.7575	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.593744259
16979	FMNH	Myomyscus	Myomyscus_brockmani	1908	991	14.35382783	3.514957902	-0.933333333	36.56666667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.593744259
149740	FMNH	Myomyscus	Myomyscus_brockmani	1908	991	14.35382783	3.218875825	3.67	31.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.593744259
16964	FMNH	Myomyscus	Myomyscus_brockmani	1908	991	14.35382783	3.293513506	-1.4493	37.05523333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.593744259
28931	FMNH	Myomyscus	Myomyscus_brockmani	1908	991	14.35382783	3.275899293	0.966666667	37.46666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.593744259
66828	FMNH	Myomyscus	Myomyscus_brockmani	1908	991	14.35382783	3.247708058	4.1	33.1	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.593744259

28735	FMNH	Myomyscus	Myomyscus_brockmani	1908	991	14.35382783	3.04414845	7.716667	40.516667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.593744259
79578	TTU	Gerbillus	Gerbillus_nanus	1875	88	16.13895517	2.833213344	34.424992	8.675 3798	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.609565647
79579	TTU	Gerbillus	Gerbillus_nanus	1875	88	16.13895517	2.772588722	34.424992	8.675 3798	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.609565647
67517	LACM	Gerbillus	Gerbillus_nanus	1875	88	16.13895517	2.415913778	21.75	40.61667	Afrotropic	Deserts and Xeric Shrublands	3.609565647
66814	FMNH	Mus	Mus_sorella	1909	991	10.86887288	-0.647506513	4.416666667	32.56666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.612538221
67198	FMNH	Mus	Mus_sorella	1909	991	10.86887288	NA	4.416666667	32.56666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.612538221
79505	FMNH	Mus	Mus_sorella	1909	991	10.86887288	NA	4.416666667	32.56666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.612538221
66821	FMNH	Mus	Mus_sorella	1909	991	10.86887288	NA	4.416666667	32.56666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.612538221
67200	FMNH	Mus	Mus_sorella	1909	991	10.86887288	NA	4.416666667	32.56666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.612538221
79509	FMNH	Mus	Mus_sorella	1909	991	10.86887288	NA	4.416666667	32.56666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.612538221
67299	FMNH	Mus	Mus_sorella	1909	991	10.86887288	NA	4.416666667	32.56666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.612538221

67196	FMNH	Mus	Mus_sorella	1909	991	10.86887288	NA	4.416666667	32.56666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.612538221
465402	USNM	Lemniscomys	Lemniscomys_zebra	1864	421	15.16109197	3.526360525	13.4	-1.92	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.621670704
422079	USNM	Lemniscomys	Lemniscomys_zebra	1864	421	15.16109197	3.433987204	10.93	3.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.621670704
466689	USNM	Lemniscomys	Lemniscomys_zebra	1864	421	15.16109197	3.401197382	9.6	-6.3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.621670704
437394	USNM	Lemniscomys	Lemniscomys_zebra	1864	421	15.16109197	3.411257534	-2.2	37.7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.621670704
165193	USNM	Lemniscomys	Lemniscomys_zebra	1864	421	15.16109197	3.399503149	2.97	31.4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.621670704
376534	USNM	Lemniscomys	Lemniscomys_zebra	1864	421	15.16109197	3.258096538	13.866667	-13.35	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.621670704
379012	USNM	Lemniscomys	Lemniscomys_zebra	1864	421	15.16109197	3.178005383	10.800788	11.330479	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.621670704
466697	USNM	Lemniscomys	Lemniscomys_zebra	1864	421	15.16109197	3.135494216	9.07	-1.75	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.621670704
438311	USNM	Lemniscomys	Lemniscomys_zebra	1864	421	15.16109197	2.890371758	10.87	0.22	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.621670704
299768	USNM	Lemniscomys	Lemniscomys_zebra	1864	421	15.16109197	3.108280279	4.416666667	32.56666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.621670704

81886	FMNH	Pelomys	Pelomys_campanae	1888	444	13.39499717	4.5238662	-9.22146	17.08333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.623540613
81891	FMNH	Pelomys	Pelomys_campanae	1888	444	13.39499717	4.466464008	-9.22146	17.08333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.623540613
83864	FMNH	Pelomys	Pelomys_campanae	1888	444	13.39499717	4.435830603	-12.333333333	15.116666667	Afrotropic	Montane Grasslands and Shrublands	3.623540613
81889	FMNH	Pelomys	Pelomys_campanae	1888	444	13.39499717	4.430767895	-9.22146	17.08333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.623540613
81878	FMNH	Pelomys	Pelomys_campanae	1888	444	13.39499717	4.292424556	-8.31667	15.18333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.623540613
83856	FMNH	Pelomys	Pelomys_campanae	1888	444	13.39499717	4.277509189	-11.12121	14.36667	Afrotropic	Montane Grasslands and Shrublands	3.623540613
83863	FMNH	Pelomys	Pelomys_campanae	1888	444	13.39499717	4.200784192	-12.46667	15.18333	Afrotropic	Montane Grasslands and Shrublands	3.623540613
82018	FMNH	Pelomys	Pelomys_campanae	1888	444	13.39499717	4.173521015	-8.31667	15.18333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.623540613
81876	FMNH	Pelomys	Pelomys_campanae	1888	444	13.39499717	3.638101733	-8.31667	15.18333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.623540613
218682	USNM	Bunomys	Bunomys_penitus	1921	676	9.925344601	5.078633925	-8.333333333	115.466667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.630455534

21868 3	US NM	Bunom ys	Bunomys_p enitus	1921	676	9.925344 601	5.0773 67224	-8.333 3333 33	115.4 6666 67	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	3.6304555 34
21963 1	US NM	Bunom ys	Bunomys_p enitus	1921	676	9.925344 601	5.0334 10267	-1.314 5	120.0 79	Aust ralas ia	Tropical and Subtropical Moist Broadleaf Forests	3.6304555 34
19658 7	AM NH	Bunom ys	Bunomys_p enitus	1921	676	9.925344 601	4.9933 38782	-3.5	120.0 8333 33	Aust ralas ia	Tropical and Subtropical Moist Broadleaf Forests	3.6304555 34
21868 7	US NM	Bunom ys	Bunomys_p enitus	1921	676	9.925344 601	4.9022 86172	-8.333 3333 33	115.4 6666 67	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	3.6304555 34
21963 0	US NM	Bunom ys	Bunomys_p enitus	1921	676	9.925344 601	4.8877 62533	-1.314 5	120.0 79	Aust ralas ia	Tropical and Subtropical Moist Broadleaf Forests	3.6304555 34
19659 0	AM NH	Bunom ys	Bunomys_p enitus	1921	676	9.925344 601	4.8442 75071	-3.5	120.0 8333 33	Aust ralas ia	Tropical and Subtropical Moist Broadleaf Forests	3.6304555 34
22390 4	AM NH	Bunom ys	Bunomys_p enitus	1921	676	9.925344 601	4.9416 42423	-1.283 3333 33	120.1 1666 67	Aust ralas ia	Tropical and Subtropical Moist Broadleaf Forests	3.6304555 34
22390 9	AM NH	Bunom ys	Bunomys_p enitus	1921	676	9.925344 601	4.6539 6035	-1.283 3333 33	120.1 1666 67	Aust ralas ia	Tropical and Subtropical Moist Broadleaf Forests	3.6304555 34
19658 5	AM NH	Bunom ys	Bunomys_p enitus	1921	676	9.925344 601	4.5386 55601	-3.5	120.0 8333 33	Aust ralas ia	Tropical and Subtropical Moist Broadleaf Forests	3.6304555 34
11514 0	TT U	Mus	Mus_minut oides	1834	7	15.25433 427	1.3083 3282	-20.01	21.26 4532 3	Afro trop ic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.6370597 05

								92964				
115162	TTU	Mus	Mus_minutoides	1834	7	15.25433427	1.386294361	-20.145717 4	21.195038	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.637059705
115163	TTU	Mus	Mus_minutoides	1834	7	15.25433427	1.704748092	-20.146332	21.194962	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.637059705
115160	TTU	Mus	Mus_minutoides	1834	7	15.25433427	1.704748092	-20.161117 8	21.192971	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.637059705
114333	TTU	Mus	Mus_minutoides	1834	7	15.25433427	1.757857918	-20.162689 7	21.193384 4	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.637059705
115158	TTU	Mus	Mus_minutoides	1834	7	15.25433427	1.526056303	-20.195773	21.107931 8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.637059705
114258	USNM	Rattus	Rattus_simalurensis	1903	316	7.512729438	5.326841331	2.167775	96.636981	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.637586116
114221	USNM	Rattus	Rattus_simalurensis	1903	316	7.512729438	5.250158101	2.6508	96.376	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.637586116
114260	USNM	Rattus	Rattus_simalurensis	1903	316	7.512729438	5.160298743	2.167775	96.636981	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.637586116
114281	USNM	Rattus	Rattus_simalurensis	1903	316	7.512729438	5.146966884	0.699167	103.555	NA	NA	3.637586116

114262	USNM	Rattus	Rattus_simalurensis	1903	316	7.512729438	5.0517567	2.167775	96.636981	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.63758616
121505	USNM	Rattus	Rattus_simalurensis	1903	316	7.512729438	5.036363222	2.7097	96.1149	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.63758616
114222	USNM	Rattus	Rattus_simalurensis	1903	316	7.512729438	4.977449913	2.6508	96.376	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.63758616
114213	USNM	Rattus	Rattus_simalurensis	1903	316	7.512729438	4.9335357	2.5324	95.9381	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.63758616
121504	USNM	Rattus	Rattus_simalurensis	1903	316	7.512729438	4.929836655	2.5324	95.9381	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.63758616
114223	USNM	Rattus	Rattus_simalurensis	1903	316	7.512729438	4.678794524	2.6508	96.376	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.63758616
597959	USNM	Praomys	Praomys_rostratus	1900	316	13.3250949	4.043051268	8.6189355	-8.8872909	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.65117758 7
598047	USNM	Praomys	Praomys_rostratus	1900	316	13.3250949	3.912023005	-5.668333333	-8.168055556	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.65117758 7
585375	USNM	Praomys	Praomys_rostratus	1900	316	13.3250949	4.143134726	8.5088856	-8.949 8902	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.65117758 7

583926	USNM	Praomys	Praomys_rostratus	1900	316	13.3250949	3.901559035	6.17416667	-7.788055556	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.651177587
83835	USNM	Praomys	Praomys_rostratus	1900	316	13.3250949	3.884407291	6.483333333	-10.65	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.651177587
585398	USNM	Praomys	Praomys_rostratus	1900	316	13.3250949	3.871201011	8.4930819	-8.8967226	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.651177587
598040	USNM	Praomys	Praomys_rostratus	1900	316	13.3250949	3.367295 83	5.643611111	-8.1825	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.651177587
535582	USNM	Praomys	Praomys_rostratus	1900	316	13.3250949	3.632571352	-1.451	30.2573	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.651177587
583925	USNM	Praomys	Praomys_rostratus	1900	316	13.3250949	3.533727155	4.900555556	-7.316111111	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.651177587
UAZ 19552	UAZ	Psammomys	Psammomys_obesus	1828	169	14.65489384	5.323009979	28.744392	-10.334358	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.659965444
61433	TCWC	Otomys	Otomys_angoniensis	1906	1108	13.29634063	4.304065093	-23.593055 6	29.783888 9	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.663048694
70587	LACM	Lemniscomys	Lemniscomys_striatus	1758	606	15.30223416	3.806662 49	-1.533333 3	37.266666 7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.679081612
70589	LACM	Lemniscomys	Lemniscomys_striatus	1758	606	15.30223416	3.912023005	-1.533333 3	37.266666 7	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.679081612

70588	LACM	Lemniscomys	Lemniscomys_striatus	1758	606	15.3022341	3.401197382	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.679081612
70592	LACM	Lemniscomys	Lemniscomys_striatus	1758	606	15.3022341	3.555348061	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.679081612
70591	LACM	Lemniscomys	Lemniscomys_striatus	1758	606	15.3022341	3.912023005	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.679081612
70584	LACM	Lemniscomys	Lemniscomys_striatus	1758	606	15.3022341	3.401197382	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.679081612
70585	LACM	Lemniscomys	Lemniscomys_striatus	1758	606	15.3022341	3.806662249	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.679081612
70593	LACM	Lemniscomys	Lemniscomys_striatus	1758	606	15.3022341	4.094344562	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.679081612
70586	LACM	Lemniscomys	Lemniscomys_striatus	1758	606	15.3022341	3.218875825	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.679081612
70590	LACM	Lemniscomys	Lemniscomys_striatus	1758	606	15.3022341	3.401197382	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.679081612
UAZ 13351	UAZ	Lemniscomys	Lemniscomys_striatus	1758	606	15.3022341	3.583518938	-1.166667	36.833333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.679081612
UAZ 13352	UAZ	Lemniscomys	Lemniscomys_striatus	1758	606	15.3022341	3.496507561	-1.414134	35.096858	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.679081612
70583	LACM	Lemniscomys	Lemniscomys_striatus	1758	606	15.3022341	3.806662249	-1.666667	37.28333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.679081612

83927	FMNH	Aethomys	Aethomys_bocagei	1904	991	12.4424207	4.986794155	-11.12121	14.36667	Afrotropic	Montane Grasslands and Shrublands	3.707946517
81930	FMNH	Aethomys	Aethomys_bocagei	1904	991	12.4424207	4.971408948	-8.31667	15.18333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.707946517
83925	FMNH	Aethomys	Aethomys_bocagei	1904	991	12.4424207	4.825988702	-11.12121	14.36667	Afrotropic	Montane Grasslands and Shrublands	3.707946517
83946	FMNH	Aethomys	Aethomys_bocagei	1904	991	12.4424207	4.602507518	-10.98561	14.36667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.707946517
83932	FMNH	Aethomys	Aethomys_bocagei	1904	991	12.4424207	4.371056709	-11.12121	14.36667	Afrotropic	Montane Grasslands and Shrublands	3.707946517
52946	LACM	Arvicanthis	Arvicanthis_niloticus	1803	1	15.63727747	4.820281566	0.816666667	20.06666667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.713084143
70582	LACM	Arvicanthis	Arvicanthis_niloticus	1803	1	15.63727747	4.442651256	-1.533333	37.26666667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.713084143
52954	LACM	Arvicanthis	Arvicanthis_niloticus	1803	1	15.63727747	4.442651256	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.713084143
57897	TCWC	Arvicanthis	Arvicanthis_niloticus	1803	1	15.63727747	5.062595033	8.424444444	39.03916667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.713084143
57906	TCWC	Arvicanthis	Arvicanthis_niloticus	1803	1	15.63727747	4.521788577	8.424444444	39.03916667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.713084143
57898	TCWC	Arvicanthis	Arvicanthis_niloticus	1803	1	15.63727747	4.804021045	8.424444444	39.03916667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.713084143

57896	TCWC	Arvicanthis	Arvicanthis_niloticus	1803	1	15.6372747747	4.905274778	8.42444444	39.039166 67	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.713084143
57899	TCWC	Arvicanthis	Arvicanthis_niloticus	1803	1	15.6372747747	4.787491743	8.42444444	39.039166 67	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.713084143
57891	TCWC	Arvicanthis	Arvicanthis_niloticus	1803	1	15.6372747747	4.499800967	8.42444444	39.039166 67	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.713084143
52956	LACM	Arvicanthis	Arvicanthis_niloticus	1803	1	15.6372747747	4.595111985	1.25	30.88333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.713084143
52958	LACM	Arvicanthis	Arvicanthis_niloticus	1803	1	15.6372747747	4.653956035	1.25	30.88333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.713084143
52955	LACM	Arvicanthis	Arvicanthis_niloticus	1803	1	15.6372747747	4.727387819	1.25	30.88333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.713084143
52957	LACM	Arvicanthis	Arvicanthis_niloticus	1803	1	15.6372747747	4.189654742	1.25	30.88333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.713084143
52959	LACM	Arvicanthis	Arvicanthis_niloticus	1803	1	15.6372747747	4.382026635	1.25	30.88333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.713084143
52949	LACM	Arvicanthis	Arvicanthis_niloticus	1803	1	15.6372747747	4.718498871	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.713084143
52947	LACM	Arvicanthis	Arvicanthis_niloticus	1803	1	15.6372747747	4.762173935	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.713084143
52952	LACM	Arvicanthis	Arvicanthis_niloticus	1803	1	15.6372747747	3.891820298	-0.91667	31.65	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.713084143

52953	LACM	Arvicanthis	Arvicanthis_niloticus	1803	1	15.6372747747	5.192956851	-0.91667	31.65	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.713084143
70581	LACM	Arvicanthis	Arvicanthis_niloticus	1803	1	15.6372747747	4.317488114	-1.66667	37.28333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.713084143
225133	AMNH	Margaretamys	Margaretamys_elegans	1981	706	9.332341782	5.010635294	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.713572067
225135	AMNH	Margaretamys	Margaretamys_elegans	1981	706	9.332341782	5.010635294	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.713572067
223679	AMNH	Margaretamys	Margaretamys_elegans	1981	706	9.332341782	4.828313737	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.713572067
223695	AMNH	Margaretamys	Margaretamys_elegans	1981	706	9.332341782	4.941642423	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.713572067
225131	AMNH	Margaretamys	Margaretamys_elegans	1981	706	9.332341782	4.941642423	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.713572067
223696	AMNH	Margaretamys	Margaretamys_elegans	1981	706	9.332341782	4.700480366	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.713572067
223681	AMNH	Margaretamys	Margaretamys_elegans	1981	706	9.332341782	4.744932128	-1.216666667	120.1333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.713572067

225146	AMNH	Margaretamys	Margaretamys_elegans	1981	706	9.33234178	4.744932128	-1.21666667	120.133333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.713572067
223677	AMNH	Margaretamys	Margaretamys_elegans	1981	706	9.33234178	4.828313737	-1.21666667	120.133333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.713572067
267763	AMNH	Margaretamys	Margaretamys_elegans	1981	706	9.33234178	4.629957703	-2.93333333	97.783333	NA	NA	3.713572067
103601	FMNH	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.465735903	35.34414	71.43333	Palearctic	Deserts and Xeric Shrublands	3.722797672
142107	FMNH	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.298608058	28.76666667	83.75	Palearctic	Montane Grasslands and Shrublands	3.722797672
103599	FMNH	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.267840066	34.33333	63.35589	Palearctic	Deserts and Xeric Shrublands	3.722797672
103588	FMNH	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.295836866	36.51157	71.31192	Palearctic	Deserts and Xeric Shrublands	3.722797672
103567	FMNH	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.030133 7	34.58333	68.95	Palearctic	Deserts and Xeric Shrublands	3.722797672
103572	FMNH	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.139832618	34.58333	68.95	Palearctic	Deserts and Xeric Shrublands	3.722797672
142111	FMNH	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.936702672	27.65	86.383333	Indo-Malay	Temperate Conifer Forests	3.722797672

103571	FMNH	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.0819 0997	34.58333	68.95	Palearctic	Deserts and Xeric Shrublands	3.722797672
103595	FMNH	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.8515 62771	34.33333	63.35589	Palearctic	Deserts and Xeric Shrublands	3.722797672
103586	FMNH	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.4849 0665	36.51157	71.31192	Palearctic	Deserts and Xeric Shrublands	3.722797672
110785	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.0910 42453	67.60 41667	99.48 11111	Palearctic	Boreal Forests/Taiga	3.722797672
110784	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.9957 32274	66.60 41667	98.48 11111	Palearctic	Tundra	3.722797672
110783	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.7725 88722	65.60 41667	97.48 11111	Palearctic	Tundra	3.722797672
110782	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.3322 0451	64.60 41667	96.48 11111	Palearctic	Boreal Forests/Taiga	3.722797672
110781	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.1972 24577	63.60 41667	95.48 11111	Palearctic	Boreal Forests/Taiga	3.722797672
110780	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.9444 38979	62.60 41667	94.48 11111	Palearctic	Boreal Forests/Taiga	3.722797672
110779	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.9957 32274	60.60 41667	92.48 11111	Palearctic	Boreal Forests/Taiga	3.722797672
110778	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.9957 32274	59.60 41667	91.48 11111	Palearctic	Boreal Forests/Taiga	3.722797672

110777	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.944438979	58.604166 7	90.481111 1	Palearctic	Boreal Forests/Taiga	3.722797672
110776	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.484900665	57.604166 7	89.481111 1	Palearctic	Boreal Forests/Taiga	3.722797672
110775	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.772588722	56.604166 7	88.481111 1	Palearctic	Temperate Broadleaf and Mixed Forests	3.722797672
110773	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.772588722	53.604166 7	85.481111 1	Palearctic	Temperate Broadleaf and Mixed Forests	3.722797672
110772	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.135494216	52.604166 7	84.481111 1	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110771	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.135494216	51.604166 7	83.481111 1	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110770	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.397895273	50.604166 7	82.481111 1	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110769	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.218875825	47.604166 7	79.481111 1	Palearctic	Deserts and Xeric Shrublands	3.722797672
110768	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.890371758	46.604166 7	78.481111 1	Palearctic	Inland Water	3.722797672
110767	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.218875825	44.604166 7	76.481111 1	Palearctic	Deserts and Xeric Shrublands	3.722797672
110793	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.081900997	42.91075	74.587194 4	Palearctic	Deserts and Xeric Shrublands	3.722797672

110789	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.19047635	42.91075	74.587194	Palearctic	Deserts and Xeric Shrublands	3.722797672
110786	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.117949906	42.91075	74.587194	Palearctic	Deserts and Xeric Shrublands	3.722797672
110787	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.044522438	42.91075	74.587194	Palearctic	Deserts and Xeric Shrublands	3.722797672
110791	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.058707073	42.91075	74.587194	Palearctic	Deserts and Xeric Shrublands	3.722797672
110790	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.317815773	42.91075	74.587194	Palearctic	Deserts and Xeric Shrublands	3.722797672
110792	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.025291076	42.91075	74.587194	Palearctic	Deserts and Xeric Shrublands	3.722797672
110822	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.714694744	42.91075	74.587194	Palearctic	Deserts and Xeric Shrublands	3.722797672
110788	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.58021683	42.91075	74.587194	Palearctic	Deserts and Xeric Shrublands	3.722797672
110815	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.660259537	42.88085	74.593933	Palearctic	Deserts and Xeric Shrublands	3.722797672
110814	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.240709689	42.88085	74.593933	Palearctic	Deserts and Xeric Shrublands	3.722797672
110816	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.261763098	42.88085	74.593933	Palearctic	Deserts and Xeric Shrublands	3.722797672

110761	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.295836866	42.842222	75.223333	Palearctic	Deserts and Xeric Shrublands	3.722797672
110760	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.135494216	42.842222	75.223333	Palearctic	Deserts and Xeric Shrublands	3.722797672
110916	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.068052935	42.834778	75.216722	Palearctic	Deserts and Xeric Shrublands	3.722797672
110917	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.325036021	42.834778	75.216722	Palearctic	Deserts and Xeric Shrublands	3.722797672
110920	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.157000421	42.834333	75.827083	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110919	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.222867846	42.834333	75.827083	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110918	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.095577609	42.834333	75.827083	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110827	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.100092289	42.645972	74.653167	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110828	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.714694744	42.645972	74.653167	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110826	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.646174797	42.632694	74.61125	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110832	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.351375257	42.632694	74.61125	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672

110829	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.104586678	42.632694	74.61125	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110830	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.246490992	42.632694	74.61125	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110831	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.509599262	42.632694	74.61125	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110794	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.292126287	42.608638 9	74.485611	Palearctic	Temperate Conifer Forests	3.722797672
110797	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.000719815	42.608638 9	74.485611	Palearctic	Temperate Conifer Forests	3.722797672
110799	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.169685581	42.608638 9	74.485611	Palearctic	Temperate Conifer Forests	3.722797672
110796	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.254242969	42.608638 9	74.485611	Palearctic	Temperate Conifer Forests	3.722797672
110798	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.667228207	42.608638 9	74.485611	Palearctic	Temperate Conifer Forests	3.722797672
110795	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.468099531	42.608638 9	74.485611	Palearctic	Temperate Conifer Forests	3.722797672
110811	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.186352633	42.60425	74.481277 8	Palearctic	Temperate Conifer Forests	3.722797672
110809	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.342861805	42.60425	74.481277 8	Palearctic	Temperate Conifer Forests	3.722797672

110813	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.161246712	42.60425	74.481277 8	Palearctic	Temperate Conifer Forests	3.722797672
110812	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.587764035	42.60425	74.481277 8	Palearctic	Temperate Conifer Forests	3.722797672
110808	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.533696814	42.60425	74.481277 8	Palearctic	Temperate Conifer Forests	3.722797672
110810	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.667228207	42.60425	74.481277 8	Palearctic	Temperate Conifer Forests	3.722797672
110762	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.747270914	42.602194 4	74.480777 8	Palearctic	Temperate Conifer Forests	3.722797672
110803	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.161246712	42.602194 4	74.480777 8	Palearctic	Temperate Conifer Forests	3.722797672
110821	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.122364924	42.602194 4	74.480777 8	Palearctic	Temperate Conifer Forests	3.722797672
110763	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.100092289	42.602194 4	74.480777 8	Palearctic	Temperate Conifer Forests	3.722797672
110765	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.995732274	42.602194 4	74.480777 8	Palearctic	Temperate Conifer Forests	3.722797672
110764	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.923161581	42.602194 4	74.480777 8	Palearctic	Temperate Conifer Forests	3.722797672
110820	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.708050201	42.602194 4	74.480777 8	Palearctic	Temperate Conifer Forests	3.722797672

110766	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.653241965	42.602194	74.480778	Palearctic	Temperate Conifer Forests	3.722797672
110801	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.0301337	42.564716	74.483533	Palearctic	Temperate Conifer Forests	3.722797672
110802	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.005682604	42.564716	74.483533	Palearctic	Temperate Conifer Forests	3.722797672
110800	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.054001182	42.564716	74.483533	Palearctic	Temperate Conifer Forests	3.722797672
110818	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.721295428	42.564361	74.484472	Palearctic	Temperate Conifer Forests	3.722797672
110817	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.667228207	42.564361	74.484472	Palearctic	Temperate Conifer Forests	3.722797672
110819	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.602689685	42.564361	74.484472	Palearctic	Temperate Conifer Forests	3.722797672
110824	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.113515309	42.564194	74.484222	Palearctic	Temperate Conifer Forests	3.722797672
110823	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.161246712	42.564194	74.484222	Palearctic	Temperate Conifer Forests	3.722797672
110825	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.766319109	42.564194	74.484222	Palearctic	Temperate Conifer Forests	3.722797672
110804	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.072693315	42.562583	74.483716	Palearctic	Temperate Conifer Forests	3.722797672

110806	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.791165108	42.562583	74.483716	Palearctic	Temperate Conifer Forests	3.722797672
110805	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.250374492	42.562583	74.483716	Palearctic	Temperate Conifer Forests	3.722797672
110807	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.602689685	42.562583	74.483716	Palearctic	Temperate Conifer Forests	3.722797672
110757	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.044522438	42.276667	73.866944	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110759	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.044522438	42.276667	73.866944	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110758	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.496507561	42.276667	73.866944	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110755	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.044522438	42.236944	73.765833	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110754	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.091042453	42.236944	73.765833	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110756	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.091042453	42.236944	73.765833	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110850	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.190476635	42.162527	77.214222	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110852	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.081900997	42.162527	77.214222	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672

110855	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.161246712	42.162527 8	77.214222	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110853	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.109060959	42.162527 8	77.214222	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110854	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.985681938	42.162527 8	77.214222	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110849	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.353406718	42.162527 8	77.214222	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110851	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.631888884	42.162527 8	77.214222	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110859	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.152736022	42.159666 7	77.218611	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110856	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.109060959	42.159666 7	77.218611	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110858	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.104586678	42.159666 7	77.218611	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110857	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.602689685	42.159666 7	77.218611	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110842	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.557227311	42.159555 6	77.214361	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110843	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.198673118	42.159555 6	77.214361	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672

110862	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.165475048	42.154527 8	77.056305 6	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110861	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.456316681	42.154527 8	77.056305 6	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110860	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.980618636	42.154527 8	77.056305 6	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110864	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.928523524	42.154433 3	77.057133 3	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110863	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.081900997	42.154433 3	77.057133 3	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110844	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.557227311	42.153166 67	77.0565	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110847	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.833213344	42.153166 67	77.0565	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110845	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.873536464	42.153166 67	77.0565	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110846	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.476538384	42.153166 67	77.0565	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110848	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.667228207	42.137694 4	77.057388 9	Palearctic	Temperate Grasslands, Savannas and Shrublands	3.722797672
110835	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.646174797	42.023805 6	77.610611 1	Palearctic	Montane Grasslands and Shrublands	3.722797672

110839	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.895911938	42.023806	77.610611	Palearctic	Montane Grasslands and Shrublands	3.722797672
110836	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.778819272	42.023806	77.610611	Palearctic	Montane Grasslands and Shrublands	3.722797672
110837	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.639005733	42.023806	77.610611	Palearctic	Montane Grasslands and Shrublands	3.722797672
110834	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.639005733	42.023806	77.610611	Palearctic	Montane Grasslands and Shrublands	3.722797672
110833	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.000719815	42.023806	77.610611	Palearctic	Montane Grasslands and Shrublands	3.722797672
110838	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.610069793	42.023806	77.610611	Palearctic	Montane Grasslands and Shrublands	3.722797672
110840	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.370738174	42.00345	77.6157	Palearctic	Montane Grasslands and Shrublands	3.722797672
110841	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.015534901	42.00345	77.6157	Palearctic	Montane Grasslands and Shrublands	3.722797672
110869	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.944438979	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110868	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.401197382	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110866	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.218875825	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672

110873	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.218875825	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110867	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.367295 83	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110876	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.218875825	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110883	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.367295 83	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110879	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.218875825	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110887	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.258096538	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110882	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.367295 83	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110872	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.332200451	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110875	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.135494216	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110865	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.295836866	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110877	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.135494216	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672

110878	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.401197382	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110874	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.218875825	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110880	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.218875825	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110870	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.218875825	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110886	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.178055383	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110881	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.708050201	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110884	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.564949357	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110885	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.63905733	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	3.722797672
110899	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.944438979	41.862778	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672
110889	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	3.044522438	41.862778	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672
110893	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.772588722	41.862778	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672

110915	TTU	Apodemus	Apodemus_pallipes	1900	66	13.5711538	2.833213344	41.862777	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672
110896	TTU	Apodemus	Apodemus_pallipes	1900	66	13.5711538	2.833213344	41.862777	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672
110898	TTU	Apodemus	Apodemus_pallipes	1900	66	13.5711538	2.708050201	41.862777	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672
110894	TTU	Apodemus	Apodemus_pallipes	1900	66	13.5711538	3.135494216	41.862777	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672
110912	TTU	Apodemus	Apodemus_pallipes	1900	66	13.5711538	3.044522438	41.862777	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672
110903	TTU	Apodemus	Apodemus_pallipes	1900	66	13.5711538	2.890371758	41.862777	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672
110888	TTU	Apodemus	Apodemus_pallipes	1900	66	13.5711538	2.890371758	41.862777	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672
110901	TTU	Apodemus	Apodemus_pallipes	1900	66	13.5711538	2.772588722	41.862777	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672
110909	TTU	Apodemus	Apodemus_pallipes	1900	66	13.5711538	2.708050201	41.862777	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672
110904	TTU	Apodemus	Apodemus_pallipes	1900	66	13.5711538	3.091042453	41.862777	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672
110905	TTU	Apodemus	Apodemus_pallipes	1900	66	13.5711538	3.295836866	41.862777	71.942222	Palearctic	Montane Grasslands and Shrublands	3.722797672

110890	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.833213344	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672
110895	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.708050201	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672
110897	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.772588722	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672
110910	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.833213344	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672
110913	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.772588722	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672
110892	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.833213344	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672
110902	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.833213344	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672
110891	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.639057733	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672
110908	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.708050201	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672
110900	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.708050201	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672
110907	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.708050201	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672

110906	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.63905733	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672
110911	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.56494 9357	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672
110914	TTU	Apodemus	Apodemus_pallipes	1900	66	13.57115388	2.48490665	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	3.722797672
52898	LACM	Oenomys	Oenomys_hypoxanthus	1855	820	15.24393112	4.430816799	0.816666667	20.066666 67	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.738859386
52900	LACM	Oenomys	Oenomys_hypoxanthus	1855	820	15.24393112	4.382026635	0.816666667	20.066666 67	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.738859386
52899	LACM	Oenomys	Oenomys_hypoxanthus	1855	820	15.24393112	4.605170186	0.816666667	20.066666 67	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.738859386
52895	LACM	Oenomys	Oenomys_hypoxanthus	1855	820	15.24393112	4.189654742	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.738859386
52896	LACM	Oenomys	Oenomys_hypoxanthus	1855	820	15.24393112	4.48863637	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.738859386
52894	LACM	Oenomys	Oenomys_hypoxanthus	1855	820	15.24393112	4.382026635	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.738859386
52893	LACM	Oenomys	Oenomys_hypoxanthus	1855	820	15.24393112	4.394449155	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.738859386
52892	LACM	Oenomys	Oenomys_hypoxanthus	1855	820	15.24393112	4.454347296	-0.95	31.58	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.738859386

52904	LACM	Oenomys	Oenomys_hypoxanthus	1855	820	15.24393112	4.532599493	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.738859386
52907	LACM	Oenomys	Oenomys_hypoxanthus	1855	820	15.24393112	4.465908119	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.738859386
52901	LACM	Oenomys	Oenomys_hypoxanthus	1855	820	15.24393112	4.532599493	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.738859386
52902	LACM	Oenomys	Oenomys_hypoxanthus	1855	820	15.24393112	4.584967479	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.738859386
52903	LACM	Oenomys	Oenomys_hypoxanthus	1855	820	15.24393112	4.663439094	0.8	30.15	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.738859386
478112	USNM	Palawanomys	Palawanomys_furvus	1983	713	6.777769151	4.5493491	8.8	117.666667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.784189634
478114	USNM	Palawanomys	Palawanomys_furvus	1983	713	6.777769151	4.267003374	8.8	117.666667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.784189634
478111	USNM	Palawanomys	Palawanomys_furvus	1983	713	6.777769151	4.205927127	8.8	117.666667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.784189634
241170	AMNH	Taterillus	Taterillus_lacustris	1907	999	10.58506532	3.912023005	12.076892	14.940795 88	Afrotropic	Inland Water	3.793239469
241185	AMNH	Taterillus	Taterillus_lacustris	1907	999	10.58506532	3.737669618	4.083372535	14.566667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.793239469

378927	USNM	Taterillus	Taterillus_lacustris	1907	999	10.585065532	3.583518938	12.680272048	14.551102	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.793239469
378930	USNM	Taterillus	Taterillus_lacustris	1907	999	10.585065532	3.713572067	12.680272048	14.551102	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.793239469
378928	USNM	Taterillus	Taterillus_lacustris	1907	999	10.585065532	3.526360525	12.680272048	14.551102	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.793239469
241175	AMNH	Taterillus	Taterillus_lacustris	1907	999	10.585065532	3.806606249	10.35498	14.3301	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.793239469
378925	USNM	Taterillus	Taterillus_lacustris	1907	999	10.585065532	3.610917913	10.800788	11.330479	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.793239469
378929	USNM	Taterillus	Taterillus_lacustris	1907	999	10.585065532	3.555348061	12.680272048	14.551102	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.793239469
378923	USNM	Taterillus	Taterillus_lacustris	1907	999	10.585065532	3.610917913	10.800788	11.330479	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.793239469
378926	USNM	Taterillus	Taterillus_lacustris	1907	999	10.585065532	3.135494216	12.680272048	14.551102	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.793239469
77950	FMNH	Meriones	Meriones_rex	1895	1114	12.23393714	4.995337469	13.64364	43.95	Afrotropic	Deserts and Xeric Shrublands	3.815952537
77959	FMNH	Meriones	Meriones_rex	1895	1114	12.23393714	4.985020494	8.405728327	44.35	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.815952537
77953	FMNH	Meriones	Meriones_rex	1895	1114	12.23393714	4.846064205	13.583333333	44.033333333	Afrotropic	Deserts and Xeric Shrublands	3.815952537

77956	FMNH	Meriones	Meriones_rex	1895	1114	12.23393714	4.745377132	8.40572832727	44.35	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.815952537
77955	FMNH	Meriones	Meriones_rex	1895	1114	12.23393714	4.704930067	13.6	44.116666	Afrotropic	Deserts and Xeric Shrublands	3.815952537
77961	FMNH	Meriones	Meriones_rex	1895	1114	12.23393714	4.670980155	8.40572832727	44.37891383	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.815952537
77949	FMNH	Meriones	Meriones_rex	1895	1114	12.23393714	4.416287135	13.64364	43.95	Afrotropic	Deserts and Xeric Shrublands	3.815952537
77951	FMNH	Meriones	Meriones_rex	1895	1114	12.23393714	4.340798927	13.64364	43.95	Afrotropic	Deserts and Xeric Shrublands	3.815952537
540028	USNM	Gerbillus	Gerbillus_hoogstraali	1975	584	9.312997248	3.665141965	30.4204543838	-8.866666667	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.817272669
540038	USNM	Gerbillus	Gerbillus_hoogstraali	1975	584	9.312997248	3.401466976	30.4204543838	-8.866666667	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.817272669
219682	USNM	Margaretamys	Margaretamys_beccarii	1880	492	10.68319781	4.205193098	-1.6	120.0333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.907211448
219686	USNM	Margaretamys	Margaretamys_beccarii	1880	492	10.68319781	4.165003609	-1.6	120.0333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.907211448
225667	AMNH	Margaretamys	Margaretamys_beccarii	1880	492	10.68319781	4.442651256	-0.966666667	120.45	NA	NA	3.907211448

219684	USNM	Margaretamys	Margaretamys_beccarii	1880	492	10.68319781	4.066229284	-1.6	120.0333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.907211448
219685	USNM	Margaretamys	Margaretamys_beccarii	1880	492	10.68319781	4.059992427	-1.6	120.0333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.907211448
219683	USNM	Margaretamys	Margaretamys_beccarii	1880	492	10.68319781	4.045449935	-1.6	120.0333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.907211448
101261	AMNH	Margaretamys	Margaretamys_beccarii	1880	492	10.68319781	3.960995627	1.75	127.65	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.907211448
226409	AMNH	Margaretamys	Margaretamys_beccarii	1880	492	10.68319781	3.912023005	-1.003	120.338	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.907211448
224064	AMNH	Margaretamys	Margaretamys_beccarii	1880	492	10.68319781	4.248495242	-1.383333333	119.9666667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.907211448
224066	AMNH	Margaretamys	Margaretamys_beccarii	1880	492	10.68319781	3.555348061	-1.383333333	119.9666667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	3.907211448
325514	USNM	Gerbillus	Gerbillus_lataste	1903	998	12.07942883	3.920241128	32.01666667	12.48971854	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377
321814	USNM	Gerbillus	Gerbillus_lataste	1903	998	12.07942883	3.714976363	32.02	11.37	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377
302072	USNM	Gerbillus	Gerbillus_lataste	1903	998	12.07942883	3.695127896	32.48	14.43	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377

321781	USNM	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.681177582	32.02	11.37	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377
321817	USNM	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.671782755	32.02	11.37	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377
321783	USNM	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.655542987	32.02	11.37	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377
302075	USNM	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.640525184	32.48	14.43	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377
321761	USNM	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.491254674	32.01666667	12.489771854	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377
325272	USNM	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.46873692	32.42	13.05	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377
321821	USNM	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.438866512	31.392641 66	10.6	Palearctic	Deserts and Xeric Shrublands	3.938275377
79620	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.610917913	35.933799 7	10.586059 6	NA	NA	3.938275377
79609	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.526360525	35.933799 7	10.586059 6	NA	NA	3.938275377
79624	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.349904087	35.933799 7	10.586059 6	NA	NA	3.938275377
79622	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.165475048	35.933799 7	10.586059 6	NA	NA	3.938275377

79610	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.663561646	35.933799 7	10.586059 6	NA	NA	3.938275377
79611	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.465735903	35.933799 7	10.586059 6	NA	NA	3.938275377
79623	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.100092289	35.933799 7	10.586059 6	NA	NA	3.938275377
79612	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.465735903	35.933799 7	10.586059 6	NA	NA	3.938275377
79608	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.713572067	35.83638	10.635609 6	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377
79621	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.295836866	35.293460 8	9.0517702	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377
79594	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	2.890371758	34.063640 6	10.116669 7	NA	NA	3.938275377
79597	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.737669618	33.901210 8	7.8797202	Palearctic	Flooded Grasslands and Savannas	3.938275377
79599	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.850147602	33.701938 6	8.9736099	Palearctic	Deserts and Xeric Shrublands	3.938275377
79617	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.555348061	33.502578 7	9.0216703	Palearctic	Flooded Grasslands and Savannas	3.938275377
79593	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.332200451	33.502578 7	9.0216703	Palearctic	Flooded Grasslands and Savannas	3.938275377

79603	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.36729583	33.502578 7	9.0216703	Palearctic	Flooded Grasslands and Savannas	3.938275377
79614	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.63758616	33.502578 7	9.0216703	Palearctic	Flooded Grasslands and Savannas	3.938275377
79602	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.433987204	33.502578 7	9.0216703	Palearctic	Flooded Grasslands and Savannas	3.938275377
79600	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.63758616	33.502578 7	9.0216703	Palearctic	Flooded Grasslands and Savannas	3.938275377
79601	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.583518938	33.502578 7	9.0216703	Palearctic	Flooded Grasslands and Savannas	3.938275377
79613	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.091042453	33.502578 7	9.0216703	Palearctic	Flooded Grasslands and Savannas	3.938275377
79619	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.433987204	33.153900 1	10.744580 3	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377
79595	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.610917913	33.023498 5	10.449999 8	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377
79596	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.258096538	33.023498 5	10.449999 8	Palearctic	Mediterranean Forests, Woodlands and Scrub	3.938275377
79598	TTU	Gerbillus	Gerbillus_latastei	1903	998	12.07942883	3.36729583	32.582660 7	10.034159 7	Palearctic	Deserts and Xeric Shrublands	3.938275377
111836	USNM	Rattus	Rattus_stoicus	1902	316	5.567451629	5.575899754	12.15	93.06	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.951243719

111847	USNM	Rattus	Rattus_stoicus	1902	316	5.567451629	5.49093575	12.15	96.06	NA	NA	3.951243719
111832	USNM	Rattus	Rattus_stoicus	1902	316	5.567451629	5.478924337	11.8312	92.6586	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.951243719
111818	USNM	Rattus	Rattus_stoicus	1902	316	5.567451629	5.470672642	11.8312	92.6586	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.951243719
111831	USNM	Rattus	Rattus_stoicus	1902	316	5.567451629	5.415640863	11.8312	92.6586	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.951243719
111822	USNM	Rattus	Rattus_stoicus	1902	316	5.567451629	5.362248033	11.8312	92.6586	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.951243719
111839	USNM	Rattus	Rattus_stoicus	1902	316	5.567451629	5.355795237	12.15	94.06	NA	NA	3.951243719
111858	USNM	Rattus	Rattus_stoicus	1902	316	5.567451629	5.193773227	12.15	97.06	NA	NA	3.951243719
111820	USNM	Rattus	Rattus_stoicus	1902	316	5.567451629	5.130647791	11.8312	92.6586	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	3.951243719
173477	USNM	Apodemus	Apodemus_rusiges	1913	316	11.63312262	3.600180946	34.05	74.416666667	Indo-Malay	Temperate Broadleaf and Mixed Forests	3.956231226
326487	USNM	Apodemus	Apodemus_rusiges	1913	316	11.63312262	3.490098481	31.6035	74.410224937	Indo-Malay	Deserts and Xeric Shrublands	3.956231226

173513	USNM	Apodemus	Apodemus_rusiges	1913	316	11.63312262	3.475445399	34.324	74.946	Indo-Malay	Temperate Broadleaf and Mixed Forests	3.95623126
173490	USNM	Apodemus	Apodemus_rusiges	1913	316	11.63312262	3.443900021	34.324	74.946	Indo-Malay	Temperate Broadleaf and Mixed Forests	3.95623126
173489	USNM	Apodemus	Apodemus_rusiges	1913	316	11.63312262	3.319327409	34.324	74.946	Indo-Malay	Temperate Broadleaf and Mixed Forests	3.95623126
326479	USNM	Apodemus	Apodemus_rusiges	1913	316	11.63312262	3.2519466	31.6035	74.3524	Indo-Malay	Deserts and Xeric Shrublands	3.95623126
173518	USNM	Apodemus	Apodemus_rusiges	1913	316	11.63312262	3.242969497	19.783333333	79.5	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	3.95623126
326488	USNM	Apodemus	Apodemus_rusiges	1913	316	11.63312262	3.241823969	31.6035	74.410224 93	Indo-Malay	Deserts and Xeric Shrublands	3.95623126
173495	USNM	Apodemus	Apodemus_rusiges	1913	316	11.63312262	3.11213939	34.266666667	75.466666667	Palearctic	Montane Grasslands and Shrublands	3.95623126
326477	USNM	Apodemus	Apodemus_rusiges	1913	316	11.63312262	3.078366107	31.622579	74.303144	Indo-Malay	Deserts and Xeric Shrublands	3.95623126
UAZ 21769	UAZ	Apodemus	Apodemus_uralensis	1811	776	15.79397433	2.970414466	48.837336	17.071462	Palearctic	Temperate Broadleaf and Mixed Forests	3.966700567

149042	FMNH	Hybomys	Hybomys_lunaris	1906	991	7.703888853	4.025351691	-2.85	29.4	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.976873978
148442	FMNH	Hybomys	Hybomys_lunaris	1906	991	7.703888853	4.025351691	-3.18	29.53	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.976873978
195102	FMNH	Hybomys	Hybomys_lunaris	1906	991	7.703888853	3.891820298	-4.9914	29.0803	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978
148440	FMNH	Hybomys	Hybomys_lunaris	1906	991	7.703888853	4.007333185	-2.93	29.5	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.976873978
148446	FMNH	Hybomys	Hybomys_lunaris	1906	991	7.703888853	3.975384518	-2.8458	29.4208	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.976873978
195105	FMNH	Hybomys	Hybomys_lunaris	1906	991	7.703888853	3.828641396	-4.9914	29.0803	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978
148450	FMNH	Hybomys	Hybomys_lunaris	1906	991	7.703888853	3.784189634	-3.2	29.55	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.976873978
148448	FMNH	Hybomys	Hybomys_lunaris	1906	991	7.703888853	3.737669618	-3.28	29.53	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	3.976873978
195101	FMNH	Hybomys	Hybomys_lunaris	1906	991	7.703888853	3.555348061	-5.4792	29.2728	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978
70580	LACM	Gerbilliscus	Gerbilliscus_nigricaudus	1879	795	13.3220102	4.382026635	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978
70578	LACM	Gerbilliscus	Gerbilliscus_nigricaudus	1879	795	13.3220102	4.174387277	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978

70574	LACM	Gerbilliscus	Gerbilliscus_nigricaudus	1879	795	13.3220102	3.218875825	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978
70577	LACM	Gerbilliscus	Gerbilliscus_nigricaudus	1879	795	13.3220102	4.248495242	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978
70572	LACM	Gerbilliscus	Gerbilliscus_nigricaudus	1879	795	13.3220102	4.094344562	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978
70575	LACM	Gerbilliscus	Gerbilliscus_nigricaudus	1879	795	13.3220102	3.912023005	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978
70573	LACM	Gerbilliscus	Gerbilliscus_nigricaudus	1879	795	13.3220102	2.890371758	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978
70576	LACM	Gerbilliscus	Gerbilliscus_nigricaudus	1879	795	13.3220102	3.218875825	-1.5333333	37.266667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978
M016799	UCBBM	Gerbilliscus	Gerbilliscus_nigricaudus	1879	795	13.3220102	7.355641103	1.666667	36.466667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978
M016800	UCBBM	Gerbilliscus	Gerbilliscus_nigricaudus	1879	795	13.3220102	4.700480366	1.666667	36.466667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978
70579	LACM	Gerbilliscus	Gerbilliscus_nigricaudus	1879	795	13.3220102	3.806666249	-2.05	37.88333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	3.976873978
33215	FMNH	Apodemus	Apodemus_latronum	1911	991	13.19263509	3.567752682	33	112.166667	Palearctic	Temperate Broadleaf and Mixed Forests	4.004055091
33150	FMNH	Apodemus	Apodemus_latronum	1911	991	13.19263509	3.567752682	30.033333	101.61666	Palearctic	Temperate Conifer Forests	4.004055091

33214	FMNH	Apodemus	Apodemus_latronum	1911	991	13.19263509	3.34460913	33	112.166667	Palearctic	Temperate Broadleaf and Mixed Forests	4.004055091
33193	FMNH	Apodemus	Apodemus_latronum	1911	991	13.19263509	3.056927058	27.45	100.21666	Palearctic	Temperate Conifer Forests	4.004055091
33192	FMNH	Apodemus	Apodemus_latronum	1911	991	13.19263509	3.457311231	27.05	100.2	Palearctic	Temperate Conifer Forests	4.004055091
32532	FMNH	Apodemus	Apodemus_latronum	1911	991	13.19263509	3.425631263	27	100.26666	Palearctic	Temperate Conifer Forests	4.004055091
33185	FMNH	Apodemus	Apodemus_latronum	1911	991	13.19263509	3.056927058	27.05	100.2	Palearctic	Temperate Conifer Forests	4.004055091
597951	USNM	Grammomys	Grammomys_buntingi	1911	991	12.06800432	3.526360525	8.5573456	-8.9212499	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.004602187
585301	USNM	Grammomys	Grammomys_buntingi	1911	991	12.06800432	3.465735903	8.5940002	-8.8963592	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.004602187
252419	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.700224609	6.084052174	-2.199	99.6364	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252421	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.700224609	6.079733609	-2.199	99.6364	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252417	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.700224609	5.972469032	-2.199	99.6364	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257

252422	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.70022460	5.931035481	-1.36535	98.922416	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252418	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.70022460	5.929499473	-2.199	99.6364	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252416	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.70022460	5.898105225	-2.199	99.6364	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121551	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.70022460	5.891161901	-2.75	100	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121544	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.70022460	5.882193912	-2.6951	100.0891	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252415	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.70022460	5.860408717	-2.199	99.6364	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121553	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.70022460	5.852978278	-2.75	100	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121541	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.70022460	5.849594382	-2.6951	100.0891	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252420	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.70022460	5.84479363	-2.199	99.6364	Indo-	Tropical and Subtropical Moist Broadleaf Forests	4.013315257

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121537	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.700224609	5.757721015	-2.6951	100.0891	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121543	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.700224609	5.744107225	-2.7834	100.19	NA	NA	4.013315257
121539	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.700224609	5.621168183	-2.6951	100.0891	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121550	USNM	Leopoldamys	Leopoldamys_siporanus	1895	991	8.700224609	5.534371816	-3.0023	100.332	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121532	USNM	Rattus	Rattus_lugens	1903	316	8.700224609	5.344533964	-2.6951	100.0891	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121536	USNM	Rattus	Rattus_lugens	1903	316	8.700224609	5.333972727	-2.75	100	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252461	USNM	Rattus	Rattus_lugens	1903	316	8.700224609	5.206309559	-2.199	99.6364	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252451	USNM	Maxomys	Maxomys_pagensis	1903	316	8.700224609	5.176225386	-2.199	99.6364	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257

252462	USNM	Rattus	Rattus_lugens	1903	316	8.700224609	5.175075456	-2.199	99.6364	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121633	USNM	Maxomys	Maxomys_pagensis	1903	316	8.700224609	5.160804642	-3.0023	100.332	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121534	USNM	Rattus	Rattus_lugens	1903	316	8.700224609	5.096601521	-2.6951	100.0891	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121634	USNM	Maxomys	Maxomys_pagensis	1903	316	8.700224609	5.048895968	-3.0023	100.332	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252464	USNM	Rattus	Rattus_lugens	1903	316	8.700224609	5.037346815	-2.199	99.6364	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252447	USNM	Maxomys	Maxomys_pagensis	1903	316	8.700224609	5.027190868	-2.199	99.6364	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252468	USNM	Rattus	Rattus_lugens	1903	316	8.700224609	5.026507371	-2.199	99.6364	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252516	USNM	Rattus	Rattus_lugens	1903	316	8.700224609	5.018901208	-2.199	99.6364	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252456	USNM	Rattus	Rattus_lugens	1903	316	8.700224609	5.016081443	-2.199	99.6364	Indo-	Tropical and Subtropical Moist Broadleaf Forests	4.013315257

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252436	USNM	Maxomys	Maxomys_pagensis	1903	316	8.700224609	5.006074004	-1.36535	98.922416	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
252434	USNM	Maxomys	Maxomys_pagensis	1903	316	8.700224609	4.989259898	-1.36535	98.922416	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121562	USNM	Maxomys	Maxomys_pagensis	1903	316	8.700224609	4.908724424	-2.6951	100.0891	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121535	USNM	Rattus	Rattus_lugens	1903	316	8.700224609	4.864699627	-2.6951	100.0891	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.013315257
121631	USNM	Maxomys	Maxomys_pagensis	1903	316	8.700224609	4.861384549	-2.7834	100.19	NA	NA	4.013315257
121630	USNM	Maxomys	Maxomys_pagensis	1903	316	8.700224609	4.793511386	-2.7834	100.19	NA	NA	4.013315257
162320	USNM	Dipodillus	Dipodillus_harwoodi	1901	991	12.23199714	3.120880637	-0.733333	36.216666	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.044103346
43486	FMNH	Dipodillus	Dipodillus_harwoodi	1901	991	12.23199714	2.938052228	-0.76667	36.35	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.044103346
43484	FMNH	Dipodillus	Dipodillus_harwoodi	1901	991	12.23199714	2.924121641	-0.76667	36.35	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.044103346

43485	FMNH	Dipodillus	Dipodillus_harwoodi	1901	991	12.2319971	2.859438446	-0.76667	36.35	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.044103346
162287	USNM	Dipodillus	Dipodillus_harwoodi	1901	991	12.2319971	2.848524189	-0.766666667	36.35	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.044103346
162293	USNM	Dipodillus	Dipodillus_harwoodi	1901	991	12.2319971	2.777337515	-0.766666667	36.35	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.044103346
162308	USNM	Dipodillus	Dipodillus_harwoodi	1901	991	12.2319971	2.773953828	-0.766666667	36.35	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.044103346
183924	USNM	Dipodillus	Dipodillus_harwoodi	1901	991	12.2319971	2.748789881	0.916666667	37.08333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.044103346
153187	FMNH	Dipodillus	Dipodillus_harwoodi	1901	991	12.2319971	2.251291799	-1.9	36.28333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.044103346
344928	USNM	Dipodillus	Dipodillus_harwoodi	1901	991	12.2319971	2.627657567	-1.566666667	36.45	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.044103346
37831	FMNH	Maxomys	Maxomys_moi	1922	863	10.55011187	5.427862797	15.33333	106.33333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.057507672
37827	FMNH	Maxomys	Maxomys_moi	1922	863	10.55011187	5.261115666	15.33333	106.33333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.057507672

37832	FMNH	Maxomys	Maxomys_moi	1922	863	10.55011187	5.194415691	15.33333	106.33333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.057507672
356473	USNM	Maxomys	Maxomys_moi	1922	863	10.55011187	5.076398168	16.12246768	108.272206	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.057507672
37830	FMNH	Maxomys	Maxomys_moi	1922	863	10.55011187	5.039001054	15.33333	106.33333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.057507672
321356	USNM	Maxomys	Maxomys_moi	1922	863	10.55011187	5.030150674	16.61666667	106.6	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.057507672
37832	FMNH	Maxomys	Maxomys_moi	1922	863	10.55011187	5.025139855	15.33333	106.33333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.057507672
356474	USNM	Maxomys	Maxomys_moi	1922	863	10.55011187	4.907295055	16.12246768	108.272206	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.057507672
356857	USNM	Maxomys	Maxomys_moi	1922	863	10.55011187	4.906182789	16.10362566	108.256864 2	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.057507672
356781	USNM	Maxomys	Maxomys_moi	1922	863	10.55011187	4.826725885	16.12895588	108.250576	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.057507672

358025	USNM	Maxomys	Maxomys_moi	1922	863	10.55011187	4.819262583	16.109053	108.256864	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.057507672
357774	USNM	Maxomys	Maxomys_moi	1922	863	10.55011187	4.726466926	13.95	108.65	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.057507672
356475	USNM	Maxomys	Maxomys_moi	1922	863	10.55011187	4.68476952	16.122467 68	108.272206	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.057507672
37838	FMNH	Maxomys	Maxomys_moi	1922	863	10.55011187	4.676626245	15.33333	106.33333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.057507672
357773	USNM	Maxomys	Maxomys_moi	1922	863	10.55011187	4.653960 35	16.130765 1	108.317051	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.057507672
35662	FMNH	Dacnomys	Dacnomys_millardi	1916	991	10.62998724	6.340341667	26.96667	88.36667	Indo-Malay	Temperate Broadleaf and Mixed Forests	4.082271981
76519	FMNH	Dacnomys	Dacnomys_millardi	1916	991	10.62998724	6.255762492	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.082271981
84881	FMNH	Dacnomys	Dacnomys_millardi	1916	991	10.62998724	6.051792861	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.082271981
84892	FMNH	Dacnomys	Dacnomys_millardi	1916	991	10.62998724	6.041679954	25.46667	91.76667	Indo-	Tropical and Subtropical Moist Broadleaf Forests	4.082271981

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76520	FMNH	Dacnomys	Dacnomys_millardi	1916	991	10.62998724	5.973063561	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.082271981
76477	FMNH	Dacnomys	Dacnomys_millardi	1916	991	10.62998724	5.927138993	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.082271981
114175	FMNH	Dacnomys	Dacnomys_millardi	1916	991	10.62998724	5.703782475	27.416666667	87.1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.082271981
153227	FMNH	Arvicanthis	Arvicanthis_nairobae	1909	475	11.92595373	4.557816931	-0.16667	35.85	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.119037175
153229	FMNH	Arvicanthis	Arvicanthis_nairobae	1909	475	11.92595373	4.509174859	-0.16667	35.85	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.119037175
153230	FMNH	Arvicanthis	Arvicanthis_nairobae	1909	475	11.92595373	4.407036683	-0.16667	35.85	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.119037175
375891	USNM	Arvicanthis	Arvicanthis_nairobae	1909	475	11.92595373	4.330733334	-3.416666667	38.33333333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.119037175
187571	AMNH	Arvicanthis	Arvicanthis_nairobae	1909	475	11.92595373	4.121300134	-1.2921	36.8219	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.119037175
27874	AMNH	Arvicanthis	Arvicanthis_nairobae	1909	475	11.92595373	4.059211646	-1.2921	36.8219	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.119037175

158035	FMNH	Arvicanthis	Arvicanthis_nairobae	1909	475	11.92595373	3.988984047	-3.8403	36.0056	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.119037175
187566	AMNH	Arvicanthis	Arvicanthis_nairobae	1909	475	11.92595373	3.788341617	0.874491813	36.8266558 2	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.119037175
187574	AMNH	Arvicanthis	Arvicanthis_nairobae	1909	475	11.92595373	3.742360343	-1.2921	36.8219	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.119037175
153225	FMNH	Arvicanthis	Arvicanthis_nairobae	1909	475	11.92595373	3.496507561	-1.9	36.2833333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.119037175
343838	USNM	Otomys	Otomys_saundersiae	1929	860	12.19362141	4.296265383	-32.133333333	19.05	Afrotropic	Mediterranean Forests, Woodlands and Scrub	4.132924044
343736	USNM	Otomys	Otomys_saundersiae	1929	860	12.19362141	4.122386329	-32.133333333	19.05	Afrotropic	Mediterranean Forests, Woodlands and Scrub	4.132924044
343837	USNM	Otomys	Otomys_saundersiae	1929	860	12.19362141	4.039831568	-32.133333333	19.05	Afrotropic	Mediterranean Forests, Woodlands and Scrub	4.132924044
343738	USNM	Otomys	Otomys_saundersiae	1929	860	12.19362141	3.923557024	-32.133333333	19.05	Afrotropic	Mediterranean Forests, Woodlands and Scrub	4.132924044
343737	USNM	Otomys	Otomys_saundersiae	1929	860	12.19362141	3.898689508	-32.133333333	19.05	Afrotropic	Mediterranean Forests, Woodlands and Scrub	4.132924044

350452	USNM	Gerbillus	Gerbillus_mesopotamiae	1956	396	12.3010384	3.450542954	31.737555521	48.8	Palearctic	Deserts and Xeric Shrublands	4.135486506
350447	USNM	Gerbillus	Gerbillus_mesopotamiae	1956	396	12.3010384	3.370733338	31.737555521	48.8	Palearctic	Deserts and Xeric Shrublands	4.135486506
350443	USNM	Gerbillus	Gerbillus_mesopotamiae	1956	396	12.3010384	3.354105965	31.737555521	48.8	Palearctic	Deserts and Xeric Shrublands	4.135486506
350459	USNM	Gerbillus	Gerbillus_mesopotamiae	1956	396	12.3010384	3.335622913	31.737555521	48.8	Palearctic	Deserts and Xeric Shrublands	4.135486506
350464	USNM	Gerbillus	Gerbillus_mesopotamiae	1956	396	12.3010384	3.187538204	31.737555521	48.8	Palearctic	Deserts and Xeric Shrublands	4.135486506
350451	USNM	Gerbillus	Gerbillus_mesopotamiae	1956	396	12.3010384	3.130102117	31.737555521	48.8	Palearctic	Deserts and Xeric Shrublands	4.135486506
350442	USNM	Gerbillus	Gerbillus_mesopotamiae	1956	396	12.3010384	3.103181071	31.737555521	48.8	Palearctic	Deserts and Xeric Shrublands	4.135486506
350465	USNM	Gerbillus	Gerbillus_mesopotamiae	1956	396	12.3010384	3.101595724	31.737555521	48.8	Palearctic	Deserts and Xeric Shrublands	4.135486506
350466	USNM	Gerbillus	Gerbillus_mesopotamiae	1956	396	12.3010384	2.905177994	31.737555521	48.8	Palearctic	Deserts and Xeric Shrublands	4.135486506
350455	USNM	Gerbillus	Gerbillus_mesopotamiae	1956	396	12.3010384	2.806871324	31.737555521	48.8	Palearctic	Deserts and Xeric Shrublands	4.135486506
158082	FMNH	Mastomys	Mastomys_pernanus	1921	518	12.1479387	2.740840024	-3.8403	36.0056	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.136605521

18720 2	FM NH	Masto mys	Mastomys_ pernanus	1921	518	12.14793 87	2.8903 71758	- 3.797 85	36.06 8817	Afro trop ic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.1366055 21
15808 5	FM NH	Masto mys	Mastomys_ pernanus	1921	518	12.14793 87	2.6390 5733	- 3.840 3	36.00 56	Afro trop ic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.1366055 21
57580	FM NH	Masto mys	Mastomys_ pernanus	1921	518	12.14793 87	2.6537 81173	- 2.516 67	32.66 667	Afro trop ic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.1366055 21
15808 4	FM NH	Masto mys	Mastomys_ pernanus	1921	518	12.14793 87	2.5649 49357	- 3.840 3	36.00 56	Afro trop ic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.1366055 21
76796	FM NH	Mus	Mus_cookii	1914	888	13.66822 491	3.3387 41354	25.3	94.05	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	4.1375636 81
99769	FM NH	Mus	Mus_cookii	1914	888	13.66822 491	3.0910 42453	14.68	98.87	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	4.1375636 81
10573 1	FM NH	Mus	Mus_cookii	1914	888	13.66822 491	3.0680 52935	19.38	98.9	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	4.1375636 81
84979	FM NH	Mus	Mus_cookii	1914	888	13.66822 491	2.6331 91752	25.46 667	91.76 667	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	4.1375636 81
84984	FM NH	Mus	Mus_cookii	1914	888	13.66822 491	2.4951 31967	25.46 667	91.76 667	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	4.1375636 81
84981	FM NH	Mus	Mus_cookii	1914	888	13.66822 491	2.4093 53917	25.46 667	91.76 667	Indo -	Tropical and Subtropical Moist Broadleaf Forests	4.1375636 81

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76784	FMNH	Mus	Mus_cookii	1914	888	13.66822491	2.071288034	25.55	92.016666667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.137563681
217695	USNM	Taeromys	Taeromys_celebensis	1867	478	11.36986146	5.644866624	0.895	124.44138	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.159976236
216801	USNM	Taeromys	Taeromys_celebensis	1867	478	11.36986146	5.535128958	1.666666667	125.0833333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.159976236
217676	USNM	Taeromys	Taeromys_celebensis	1867	478	11.36986146	5.465308824	1.466666667	125.2333333	NA	NA	4.159976236
200261	USNM	Taeromys	Taeromys_celebensis	1867	478	11.36986146	5.380849633	-4.8495	119.5162	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.159976236
217675	USNM	Taeromys	Taeromys_celebensis	1867	478	11.36986146	5.299572172	1.466666667	125.2333333	NA	NA	4.159976236
219563	USNM	Taeromys	Taeromys_celebensis	1867	478	11.36986146	5.251905876	-1.8947	120.169	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.159976236
219708	USNM	Taeromys	Taeromys_celebensis	1867	478	11.36986146	5.172486333	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.159976236
219709	USNM	Taeromys	Taeromys_celebensis	1867	478	11.36986146	5.148927297	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.159976236
218078	USNM	Taeromys	Taeromys_celebensis	1867	478	11.36986146	5.034546403	-0.716666667	120.0666667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.159976236

218685	USNM	Taeromys	Taeromys_celebensis	1867	478	11.36986146	4.92660561	-8.33333333	115.466667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.159976236
219555	USNM	Rattus	Rattus_marmosurus	1921	991	11.44737775	5.220415045	-1.6	120.033333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.165113633
217691	USNM	Rattus	Rattus_marmosurus	1921	991	11.44737775	5.190773052	0.895	124.441388	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.165113633
218082	USNM	Rattus	Rattus_marmosurus	1921	991	11.44737775	5.128674099	-0.716666667	120.066667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.165113633
217789	USNM	Rattus	Rattus_marmosurus	1921	991	11.44737775	4.926132444	1.466666667	125.033333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.165113633
218081	USNM	Rattus	Rattus_marmosurus	1921	991	11.44737775	4.898463503	-0.716666667	120.066667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.165113633
217788	USNM	Rattus	Rattus_marmosurus	1921	991	11.44737775	4.889602351	1.466666667	125.033333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.165113633
219546	USNM	Rattus	Rattus_marmosurus	1921	991	11.44737775	4.859102049	-1.6	120.033333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.165113633
200263	USNM	Rattus	Rattus_marmosurus	1921	991	11.44737775	4.812848503	-4.8495	119.5162	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.165113633
219710	USNM	Rattus	Rattus_marmosurus	1921	991	11.44737775	4.754654542	-1.9	120.166667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.165113633

219725	USNM	Rattus	Rattus_marmosurus	1921	991	11.44737775	4.707760596	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.165113633
UAZ24232	UAZ	Uranomys	Uranomys_ruddi	1909	225	15.21537881	3.555348061	5.453351	-4.505215	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.177306083
420493	USNM	Dasymys	Dasymys_rufulus	1900	316	14.32644084	4.418840608	10.85	-2.05	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.206333064
403708	USNM	Dasymys	Dasymys_rufulus	1900	316	14.32644084	4.454347296	11.57	4.48	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.206333064
83900	USNM	Dasymys	Dasymys_rufulus	1890	316	14.32644084	4.462218678	6.483333333	-10.65	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.206333064
466655	USNM	Dasymys	Dasymys_rufulus	1900	316	14.32644084	4.406719247	9.42	-7.52	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.206333064
421853	USNM	Dasymys	Dasymys_rufulus	1900	316	14.32644084	4.356708827	7.35	2.62	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.206333064
83901	USNM	Dasymys	Dasymys_rufulus	1890	316	14.32644084	4.440216315	6.483333333	-10.65	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.206333064
403707	USNM	Dasymys	Dasymys_rufulus	1900	316	14.32644084	4.174358727	11.57	4.48	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.206333064
420514	USNM	Dasymys	Dasymys_rufulus	1900	316	14.32644084	4.499840967	10.85	-2.05	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.206333064
466665	USNM	Dasymys	Dasymys_rufulus	1900	316	14.32644084	4.276666119	9.42	-7.52	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.206333064

421849	USNM	Dasymys	Dasymys_rufulus	1900	316	14.32644084	3.610917913	8.08	2.52	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.206333064
46746	FMNH	Rattus	Rattus_osgoodi	1985	713	8.704864057	4.289995642	12.08333	108.5	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.208863016
46762	FMNH	Rattus	Rattus_osgoodi	1985	713	8.704864057	4.1433603	12.08333	108.5	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.208863016
46754	FMNH	Rattus	Rattus_osgoodi	1985	713	8.704864057	4.124231715	11.68333	108.35	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.208863016
46749	FMNH	Rattus	Rattus_osgoodi	1985	713	8.704864057	4.074334544	12.08333	108.5	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.208863016
46747	FMNH	Rattus	Rattus_osgoodi	1985	713	8.704864057	4.073447666	12.08333	108.5	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.208863016
46744	FMNH	Rattus	Rattus_osgoodi	1985	713	8.704864057	4.064560331	12.08333	108.5	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.208863016
46737	FMNH	Rattus	Rattus_osgoodi	1985	713	8.704864057	3.791105316	12.08333	108.5	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.208863016
46735	FMNH	Rattus	Rattus_osgoodi	1985	713	8.704864057	3.710161541	12.08333	108.5	Indo-	Tropical and Subtropical Moist Broadleaf Forests	4.208863016

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46766	FMNH	Rattus	Rattus_osgoodi	1985	713	8.704864057	3.685530281	11.68333	108.35	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.208863016
46765	FMNH	Rattus	Rattus_osgoodi	1985	713	8.704864057	3.488652326	11.68333	108.35	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.208863016
85371	FMNH	Thallomys	Thallomys_loringi	1909	412	10.94124325	4.605542423	-0.333333333	35.93333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.226979722
17070	FMNH	Thallomys	Thallomys_loringi	1909	412	10.94124325	4.542590950	-0.71667	36.43333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.226979722
17067	FMNH	Thallomys	Thallomys_loringi	1909	412	10.94124325	4.323981669	-0.71667	36.43333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.226979722
17073	FMNH	Thallomys	Thallomys_loringi	1909	412	10.94124325	4.188036727	-0.5	36.31667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.226979722
536730	USNM	Thallomys	Thallomys_loringi	1909	412	10.94124325	4.382026635	-2.983333	34.93333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.226979722
17069	FMNH	Thallomys	Thallomys_loringi	1909	412	10.94124325	4.089360275	-0.71667	36.43333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.226979722
17072	FMNH	Thallomys	Thallomys_loringi	1909	412	10.94124325	4.061107375	-0.71667	36.43333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.226979722

162535	USNM	Thallomys	Thallomys_loringi	1909	412	10.9412432	3.858492973	-0.766666667	36.35	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.22697972
181717	USNM	Thallomys	Thallomys_loringi	1909	412	10.9412432	3.821032593	-0.683333	35.1167	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.22697972
162537	USNM	Thallomys	Thallomys_loringi	1909	412	10.9412432	3.609895486	-0.733333	36.21666	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.22697972
35547	FMNH	Mus	Mus_pahari	1916	991	14.3361765	3.245748679	27.21666667	88.73333333	Indo-Malay	Temperate Broadleaf and Mixed Forests	4.26197540
39270	FMNH	Mus	Mus_pahari	1916	991	14.3361765	3.105292776	22.35	103.8666	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.26197540
35546	FMNH	Mus	Mus_pahari	1916	991	14.3361765	2.953213426	27.21666667	88.73333333	Indo-Malay	Temperate Broadleaf and Mixed Forests	4.26197540
39271	FMNH	Mus	Mus_pahari	1916	991	14.3361765	2.933420805	22.35	103.8666	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.26197540
39276	FMNH	Mus	Mus_pahari	1916	991	14.3361765	2.757789182	22.35	103.8666	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.26197540
35548	FMNH	Mus	Mus_pahari	1916	991	14.3361765	2.745779498	27.21666667	88.73333333	Indo-Malay	Temperate Broadleaf and Mixed Forests	4.26197540

83024	FMNH	Mus	Mus_pahari	1916	991	14.3361765	2.63870741	28.25	96	Indo-Malay	Temperate Broadleaf and Mixed Forests	4.261975404
35545	FMNH	Mus	Mus_pahari	1916	991	14.3361765	2.48759275	27.21666667	88.73333333	Indo-Malay	Temperate Broadleaf and Mixed Forests	4.261975404
108251	TTU	Maxomys	Maxomys_whiteheadi	1894	991	14.09441873	3.867025639	6.2004167	116.7520833	Indo-Malay	Montane Grasslands and Shrublands	4.27207225
108334	TTU	Maxomys	Maxomys_whiteheadi	1894	991	14.09441873	4.317488114	1.61175	110.1958889	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.27207225
108333	TTU	Maxomys	Maxomys_whiteheadi	1894	991	14.09441873	4.157319361	1.61175	110.1958889	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.27207225
77974	FMNH	Myomyscus	Myomyscus_yemeni	1953	894	11.25536671	4.274453941	15.4	44.25	Afrotropic	Deserts and Xeric Shrublands	4.294969802
77973	FMNH	Myomyscus	Myomyscus_yemeni	1953	894	11.25536671	4.016314527	15.4	44.25	Afrotropic	Deserts and Xeric Shrublands	4.294969802
173535	USNM	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.898383805	34.3696	74.558	Indo-Malay	Temperate Broadleaf and Mixed Forests	4.295378828
354106	USNM	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.792432896	35.916778	74.254257 33	Palearctic	Montane Grasslands and Shrublands	4.295378828

290102	USNM	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.742333678	28.8833	81.3167	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.295378828
174060	USNM	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.689955393	33.31666667	75.76666667	Indo-Malay	Temperate Broadleaf and Mixed Forests	4.295378828
21688	USNM	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.671241016	34.1667	74.75	Indo-Malay	Temperate Broadleaf and Mixed Forests	4.295378828
354038	USNM	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.604025422	34.565972	73.852711 99	Indo-Malay	Temperate Broadleaf and Mixed Forests	4.295378828
176129	USNM	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.529939424	35.45	75.71666667	Palearctic	Montane Grasslands and Shrublands	4.295378828
326573	USNM	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.512323618	39.030277 78	73.422790 25	Palearctic	Montane Grasslands and Shrublands	4.295378828
290103	USNM	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.445640089	28.8833	81.3167	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.295378828
112654	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	5.093750201	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	4.295378828
112651	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.941642423	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	4.295378828

112649	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	5.187385806	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	4.295378828
112652	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	5.099866428	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	4.295378828
112658	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	5.198497031	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	4.295378828
112659	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.905274778	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	4.295378828
112650	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	5.393627546	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	4.295378828
112655	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	5.272999559	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	4.295378828
112657	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	2.772588722	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	4.295378828
112653	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.787491743	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	4.295378828
112656	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	5.159055299	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	4.295378828
112648	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.663439094	41.873611	71.976667	Palearctic	Montane Grasslands and Shrublands	4.295378828
112670	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.060443011	41.862778	71.942222	Palearctic	Montane Grasslands and Shrublands	4.295378828

112669	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	3.555348061	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	4.295378828
112672	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.905274778	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	4.295378828
112668	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	5.003946306	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	4.295378828
112664	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.624972813	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	4.295378828
112660	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.127134385	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	4.295378828
112671	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	3.526360525	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	4.295378828
112663	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	3.295836866	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	4.295378828
112665	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	5.003946306	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	4.295378828
112666	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.574710979	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	4.295378828
112661	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.584967479	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	4.295378828
112667	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	4.219507705	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	4.295378828

112662	TTU	Rattus	Rattus_pyctoris	1845	431	14.4878628	3.63758616	41.862777 8	71.942222 2	Palearctic	Montane Grasslands and Shrublands	4.295378828
76503	FMNH	Berylmys	Berylmys_mackenziei	1916	991	11.52768608	6.041310581	22.733333 33	93.066666 67	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.304200219
76456	FMNH	Berylmys	Berylmys_mackenziei	1916	991	11.52768608	5.818671541	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.304200219
76489	FMNH	Berylmys	Berylmys_mackenziei	1916	991	11.52768608	5.628622122	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.304200219
76502	FMNH	Berylmys	Berylmys_mackenziei	1916	991	11.52768608	5.559062243	22.733333 33	93.066666 67	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.304200219
82975	FMNH	Berylmys	Berylmys_mackenziei	1916	991	11.52768608	5.424050672	23.73333	93.64413	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.304200219
76500	FMNH	Berylmys	Berylmys_mackenziei	1916	991	11.52768608	5.497145928	25.3	91.7	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.304200219
76497	FMNH	Berylmys	Berylmys_mackenziei	1916	991	11.52768608	5.385713537	27.4	93.066666 67	Indo-Malay	Temperate Broadleaf and Mixed Forests	4.304200219
82974	FMNH	Berylmys	Berylmys_mackenziei	1916	991	11.52768608	5.216411307	23.73333	93.64413	Indo-	Tropical and Subtropical Moist Broadleaf Forests	4.304200219

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84866	FMNH	Berylmys	Berylmys_mackenziei	1916	991	11.52768608	5.106720454	26	93	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.304200219
75820	FMNH	Berylmys	Berylmys_mackenziei	1916	991	11.52768608	4.849638824	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.304200219
57908	TCWC	Mus	Mus_mahomet	1896	851	12.94490917	2.140066163	7.306111111	36.05555556	Afrotropic	Montane Grasslands and Shrublands	4.320018243
83022	FMNH	Mus	Mus_shortridgei	1914	991	12.50197869	3.823384671	20.91666667	95.25	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.324927043
105734	FMNH	Mus	Mus_shortridgei	1914	991	12.50197869	3.629660094	14.508996	101.903707	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.324927043
533868	USNM	Mus	Mus_shortridgei	1914	991	12.50197869	3.637586616	14.980555 6	102.1	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.324927043
83023	FMNH	Mus	Mus_shortridgei	1914	991	12.50197869	3.471510474	20.91666667	95.25	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.324927043
577560	USNM	Mus	Mus_shortridgei	1914	991	12.50197869	3.526360525	23.5866	95.4257	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.324927043

321571	USNM	Mus	Mus_shortridgei	1914	991	12.50197869	3.218106885	11.266666667	104.083333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.324927043
577559	USNM	Mus	Mus_shortridgei	1914	991	12.50197869	3.583518938	23.5866	95.4257	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.324927043
577562	USNM	Mus	Mus_shortridgei	1914	991	12.50197869	3.401197382	23.5866	95.4257	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.324927043
533869	USNM	Mus	Mus_shortridgei	1914	991	12.50197869	3.33220451	14.980555 56	102.1	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.324927043
105735	FMNH	Mus	Mus_shortridgei	1914	991	12.50197869	2.624668592	16.765873 63	98.825919 23	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.324927043
M-240123	AMNH	Mus	Mus_shortridgei	1914	991	12.50197869	3.566711182	14.980555 6	102.1	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.324927043
108262	TTU	Sundamys	Sundamys_muelleri	1879	492	14.15802861	5.438079309	6.2004167	116.752083 3	Indo-Malay	Montane Grasslands and Shrublands	4.325059379
108261	TTU	Sundamys	Sundamys_muelleri	1879	492	14.15802861	4.836281907	6.2004167	116.752083 3	Indo-Malay	Montane Grasslands and Shrublands	4.325059379

108254	TTU	Sundamys	Sundamys_muelleri	1879	492	14.15802861	5.164785974	6.2004167	116.7520833	Indo-Malay	Montane Grasslands and Shrublands	4.325059379
UAZ09370	UAZ	Sundamys	Sundamys_muelleri	1879	492	14.15802861	5.910796644	3.35	101.783333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.325059379
108305	TTU	Sundamys	Sundamys_muelleri	1879	492	14.15802861	5.010635294	1.7165278	110.444167	Indo-Malay	Mangroves	4.325059379
500960	USNM	Acomys	Acomys_ignitus	1910	225	11.56416235	3.784189634	-3.4	38.57	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.341465023
27295	FMNH	Acomys	Acomys_ignitus	1910	225	11.56416235	3.888737513	-4.733333	38.06667	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.341465023
153201	FMNH	Acomys	Acomys_ignitus	1910	225	11.56416235	3.784189634	-3.633333333	39.85	NA	NA	4.341465023
153200	FMNH	Acomys	Acomys_ignitus	1910	225	11.56416235	3.526360525	-3.633333333	39.85	NA	NA	4.341465023
500961	USNM	Acomys	Acomys_ignitus	1910	225	11.56416235	3.583518938	-3.4	38.57	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.341465023
27296	FMNH	Acomys	Acomys_ignitus	1910	225	11.56416235	3.634191486	-4.433333	38.3	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.341465023

182897	USNM	Acomys	Acomys_ignitus	1910	225	11.5641623	3.584903407	-3.966666667	39.55	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.341465023
153197	FMNH	Acomys	Acomys_ignitus	1910	225	11.5641623	3.135494216	-3.633333333	39.85	NA	NA	4.341465023
182894	USNM	Acomys	Acomys_ignitus	1910	225	11.5641623	3.464789086	-3.966666667	39.55	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.341465023
153198	FMNH	Acomys	Acomys_ignitus	1910	225	11.5641623	3.044522438	-3.633333333	39.85	NA	NA	4.341465023
404408	USNM	Aethomys	Aethomys_stannarius	1913	991	12.0439456	4.477336814	9.516666667	8.383333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.371471121
241208	AMNH	Aethomys	Aethomys_stannarius	1913	991	12.0439456	4.867533445	8.918367	13.42028488	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.371471121
404420	USNM	Aethomys	Aethomys_stannarius	1913	991	12.0439456	4.820281566	9.516666667	8.383333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.371471121
404416	USNM	Aethomys	Aethomys_stannarius	1913	991	12.0439456	4.521788577	9.516666667	8.383333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.371471121
404411	USNM	Aethomys	Aethomys_stannarius	1913	991	12.0439456	4.521788577	9.516666667	8.383333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.371471121
404412	USNM	Aethomys	Aethomys_stannarius	1913	991	12.0439456	4.488636637	9.516666667	8.383333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.371471121

404419	USNM	Aethomys	Aethomys_stannarius	1913	991	12.04394561	4.33073334	9.516666667	8.383333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.371471121
404414	USNM	Aethomys	Aethomys_stannarius	1913	991	12.04394561	3.988984047	9.516666667	8.383333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.371471121
404415	USNM	Aethomys	Aethomys_stannarius	1913	991	12.04394561	3.583518938	9.516666667	8.383333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.371471121
404410	USNM	Aethomys	Aethomys_stannarius	1913	991	12.04394561	3.401197382	9.516666667	8.383333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.371471121
97490	FMNH	Apodemus	Apodemus_hyrcanicus	1992	1067	10.79262373	3.548256193	36.7782	54.649	Palearctic	Temperate Broadleaf and Mixed Forests	4.386889779
97491	FMNH	Apodemus	Apodemus_hyrcanicus	1992	1067	10.79262373	3.501487587	36.7782	54.649	Palearctic	Temperate Broadleaf and Mixed Forests	4.386889779
97493	FMNH	Apodemus	Apodemus_hyrcanicus	1992	1067	10.79262373	3.292556803	36.7782	54.649	Palearctic	Temperate Broadleaf and Mixed Forests	4.386889779
97489	FMNH	Apodemus	Apodemus_hyrcanicus	1992	1067	10.79262373	3.238711255	36.7782	54.649	Palearctic	Temperate Broadleaf and Mixed Forests	4.386889779
97492	FMNH	Apodemus	Apodemus_hyrcanicus	1992	1067	10.79262373	3.225714907	36.7782	54.649	Palearctic	Temperate Broadleaf and Mixed Forests	4.386889779
97488	FMNH	Apodemus	Apodemus_hyrcanicus	1992	1067	10.79262373	3.178423801	36.7782	54.649	Palearctic	Temperate Broadleaf and Mixed Forests	4.386889779
97464	FMNH	Apodemus	Apodemus_hyrcanicus	1992	1067	10.79262373	3.161599869	36.4485	51.4561	Palearctic	Temperate Broadleaf and Mixed Forests	4.386889779

97462	FMNH	Apodemus	Apodemus_hyrcanicus	1992	1067	10.79262373	3.13426305	36.4527	51.4167	Palearctic	Temperate Broadleaf and Mixed Forests	4.38688979
97466	FMNH	Apodemus	Apodemus_hyrcanicus	1992	1067	10.79262373	3.089396423	36.4485	51.4561	Palearctic	Temperate Broadleaf and Mixed Forests	4.38688979
97473	FMNH	Apodemus	Apodemus_hyrcanicus	1992	1067	10.79262373	2.970414466	36.7782	54.649	Palearctic	Temperate Broadleaf and Mixed Forests	4.38688979
277420	USNM	Berylmys	Berylmys_manipulus	1916	991	12.27411397	5.196270849	25.313262 61	97.416666 67	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.391976966
76481	FMNH	Berylmys	Berylmys_manipulus	1916	991	12.27411397	5.067361722	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.391976966
82985	FMNH	Berylmys	Berylmys_manipulus	1916	991	12.27411397	4.730903492	24.15	94.466667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.391976966
76478	FMNH	Berylmys	Berylmys_manipulus	1916	991	12.27411397	4.787283 19	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.391976966
82986	FMNH	Berylmys	Berylmys_manipulus	1916	991	12.27411397	4.761297039	24.15	94.466667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.391976966
76469	FMNH	Berylmys	Berylmys_manipulus	1916	991	12.27411397	4.737761794	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.391976966

76470	FMNH	Berylmys	Berylmys_manipulus	1916	991	12.27411397	4.580350576	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.391976966
76465	FMNH	Berylmys	Berylmys_manipulus	1916	991	12.27411397	4.570149261	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.391976966
76468	FMNH	Berylmys	Berylmys_manipulus	1916	991	12.27411397	4.569335001	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.391976966
76480	FMNH	Berylmys	Berylmys_manipulus	1916	991	12.27411397	4.567524599	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.391976966
376650	USNM	Mus	Mus_haussa	1920	995	14.73809649	1.791759469	13.98	-14.8	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.450502706
410160	USNM	Mus	Mus_haussa	1920	995	14.73809649	1.386294361	13.258	5.258	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.450502706
42298	FMNH	Mus	Mus_haussa	1920	995	14.73809649	NA	0.210833333	0.132222222	NA	NA	4.450502706
422370	USNM	Mus	Mus_haussa	1920	995	14.73809649	1.098612289	9.93	3.22	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.450502706
402129	USNM	Mus	Mus_haussa	1920	995	14.73809649	1.609437912	16.65	-14.28	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.450502706
454338	USNM	Mus	Mus_haussa	1920	995	14.73809649	1.386294361	13.4	-1.92	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.450502706

482661	USNM	Mus	Mus_haussa	1920	995	14.73809649	1.098612289	13.8	1.72	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.450502706
410188	USNM	Mus	Mus_haussa	1920	995	14.73809649	1.098612289	12.1	8.5	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.450502706
42299	FMNH	Mus	Mus_haussa	1920	995	14.73809649	NA	0.210833333	0.132222222	NA	NA	4.450502706
42300	FMNH	Mus	Mus_haussa	1920	995	14.73809649	NA	0.210833333	0.132222222	NA	NA	4.450502706
79590	TTU	Meriones	Meriones_shawi	1842	237	13.34119632	4.234106505	34.39608	8.1346197	Palearctic	Mediterranean Forests, Woodlands and Scrub	4.471410196
516166	USNM	Stenocephalemys	Stenocephalemys_albipes	1842	828	12.79632948	4.4886 3637	7.65	36.8	Afrotropic	Montane Grasslands and Shrublands	4.472438474
516179	USNM	Stenocephalemys	Stenocephalemys_albipes	1842	828	12.79632948	4.094344562	7.546	40.6347	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.472438474
51619 6	USNM	Stenocephalemys	Stenocephalemys_albipes	1842	828	12.79632948	4.041855534	7.616666667	36.76666667	Afrotropic	Montane Grasslands and Shrublands	4.472438474
516178	USNM	Stenocephalemys	Stenocephalemys_albipes	1842	828	12.79632948	4.158883083	8.133333333	36.93333333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.472438474
516182	USNM	Stenocephalemys	Stenocephalemys_albipes	1842	828	12.79632948	4.060443011	7.583333333	36.8	Afrotropic	Montane Grasslands and Shrublands	4.472438474
516205	USNM	Stenocephalemys	Stenocephalemys_albipes	1842	828	12.79632948	4.025351691	7.666666667	36.86666667	Afrotropic	Montane Grasslands and Shrublands	4.472438474

516200	USNM	Stenocephalemys	Stenocephalemys_albipes	1842	828	12.79632948	3.9889 84047	7.75	36.73 3333 33	Afrotropic	Montane Grasslands and Shrublands	4.4724384 74
516180	USNM	Stenocephalemys	Stenocephalemys_albipes	1842	828	12.79632948	3.6375 8616	8.283 3333 33	36.9	Afrotropic	Montane Grasslands and Shrublands	4.4724384 74
516176	USNM	Stenocephalemys	Stenocephalemys_albipes	1842	828	12.79632948	4.0430 51268	7.816 6666 67	36.68 3333 33	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.4724384 74
516143	USNM	Stenocephalemys	Stenocephalemys_albipes	1842	828	12.79632948	3.6635 61646	9.05	38.51 6666 67	Afrotropic	Montane Grasslands and Shrublands	4.4724384 74
UAZ 23454	UAZ	Stenocephalemys	Stenocephalemys_albipes	1842	828	12.79632948	4.1743 8727	8.916 667	38.61 6667	Afrotropic	Montane Grasslands and Shrublands	4.4724384 74
144392	FMNH	Dasymys	Dasymys_montanus	1906	991	7.538683233	4.5538 76892	0.383 3	29.93 33	Afrotropic	Montane Grasslands and Shrublands	4.4923373 78
144397	FMNH	Dasymys	Dasymys_montanus	1906	991	7.538683233	4.4127 98293	0.383 3	29.93 33	Afrotropic	Montane Grasslands and Shrublands	4.4923373 78
144389	FMNH	Dasymys	Dasymys_montanus	1906	991	7.538683233	4.1743 8727	0.366 6	29.98 33	Afrotropic	Montane Grasslands and Shrublands	4.4923373 78
144395	FMNH	Dasymys	Dasymys_montanus	1906	991	7.538683233	4.2341 06505	0.383 3	29.93 33	Afrotropic	Montane Grasslands and Shrublands	4.4923373 78
144388	FMNH	Dasymys	Dasymys_montanus	1906	991	7.538683233	4.0253 51691	0.366 6	29.98 33	Afrotropic	Montane Grasslands and Shrublands	4.4923373 78
144393	FMNH	Dasymys	Dasymys_montanus	1906	991	7.538683233	3.4965 07561	0.383 3	29.93 33	Afrotropic	Montane Grasslands and Shrublands	4.4923373 78

62287	FMNH	Chrotomys	Chrotomys_silaceus	1895	991	8.408402639	5.019205869	16.85	120.8666	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.492561242
62286	FMNH	Chrotomys	Chrotomys_silaceus	1895	991	8.408402639	4.905070055	16.85	120.8666	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.492561242
151512	USNM	Chrotomys	Chrotomys_silaceus	1895	991	8.408402639	3.762800243	16.63333333	120.7333333	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.492561242
104250	FMNH	Niviventer	Niviventer_eha	1916	1108	12.11994734	3.850147602	28.11667	85.36667	Indo-Malay	Temperate Conifer Forests	4.499587423
114286	FMNH	Niviventer	Niviventer_eha	1916	1108	12.11994734	3.912023005	27.55	87.283333	Indo-Malay	Temperate Broadleaf and Mixed Forests	4.499587423
35882	FMNH	Niviventer	Niviventer_eha	1916	1108	12.11994734	3.927576785	27.726944	88.545055	Indo-Malay	Temperate Conifer Forests	4.499587423
41025	FMNH	Niviventer	Niviventer_eha	1916	1108	12.11994734	3.885490627	28.116667	97.7	Palearctic	Montane Grasslands and Shrublands	4.499587423
35887	FMNH	Niviventer	Niviventer_eha	1916	1108	12.11994734	3.750074239	27.726944	88.545055	Indo-Malay	Temperate Conifer Forests	4.499587423
104256	FMNH	Niviventer	Niviventer_eha	1916	1108	12.11994734	3.737669618	28.11667	85.36667	Indo-	Temperate Conifer Forests	4.499587423

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114280	FMNH	Niviventer	Niviventer_eha	1916	1108	12.11994734	3.465735903	27.666666666	87.266666666	Indo-Malay	Temperate Conifer Forests	4.499587423
321583	USNM	Gerbillus	Gerbillus_pocilops	1895	1114	11.53237518	3.753627102	15.98	48.93	Palearctic	Deserts and Xeric Shrublands	4.499587423
321574	USNM	Gerbillus	Gerbillus_pocilops	1895	1114	11.53237518	3.642004828	16.1	49	Palearctic	Deserts and Xeric Shrublands	4.499587423
321575	USNM	Gerbillus	Gerbillus_pocilops	1895	1114	11.53237518	3.590833486	16.1	49	Palearctic	Deserts and Xeric Shrublands	4.499587423
142220	FMNH	Niviventer	Niviventer_eha	1916	1108	12.11994734	3.584350794	28	85.533333333	Indo-Malay	Temperate Broadleaf and Mixed Forests	4.499587423
321584	USNM	Gerbillus	Gerbillus_pocilops	1895	1114	11.53237518	3.571183343	15.98	48.93	Palearctic	Deserts and Xeric Shrublands	4.499587423
94200	FMNH	Niviventer	Niviventer_eha	1916	1108	12.11994734	3.513100201	27.583333333	86.35	Indo-Malay	Temperate Conifer Forests	4.499587423
321577	USNM	Gerbillus	Gerbillus_pocilops	1895	1114	11.53237518	3.432631407	16.1	49	Palearctic	Deserts and Xeric Shrublands	4.499587423
321579	USNM	Gerbillus	Gerbillus_pocilops	1895	1114	11.53237518	3.320585687	16.1	49	Palearctic	Deserts and Xeric Shrublands	4.499587423

321581	USNM	Gerbillus	Gerbillus_pocilops	1895	1114	11.53237518	3.300673951	16.1	49	Palearctic	Deserts and Xeric Shrublands	4.499587423
321585	USNM	Gerbillus	Gerbillus_pocilops	1895	1114	11.53237518	3.218603978	14.9	48.55	Afrotropic	Deserts and Xeric Shrublands	4.499587423
321580	USNM	Gerbillus	Gerbillus_pocilops	1895	1114	11.53237518	3.103709221	16.1	49	Palearctic	Deserts and Xeric Shrublands	4.499587423
533415	USNM	Niviventer	Niviventer_hinpoon	1976	480	7.982389657	4.252771799	14.616666667	101.1333333	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.499698553
398589	USNM	Niviventer	Niviventer_hinpoon	1976	480	7.982389657	3.784189634	14.616666667	101.1333333	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.499698553
533414	USNM	Niviventer	Niviventer_hinpoon	1976	480	7.982389657	3.384390263	14.616666667	101.1333333	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.499698553
403644	USNM	Dasymys	Dasymys_foxi	1912	991	9.554850839	5.043425117	9.45	9.2	Afrotropic	Montane Grasslands and Shrublands	4.504465482
403683	USNM	Dasymys	Dasymys_foxi	1912	991	9.554850839	4.867533445	9.45	9.2	Afrotropic	Montane Grasslands and Shrublands	4.504465482
403645	USNM	Dasymys	Dasymys_foxi	1912	991	9.554850839	4.882801923	9.45	9.2	Afrotropic	Montane Grasslands and Shrublands	4.504465482
403662	USNM	Dasymys	Dasymys_foxi	1912	991	9.554850839	4.8978398	9.45	9.2	Afrotropic	Montane Grasslands and Shrublands	4.504465482

403646	USNM	Dasmys	Dasymys_foxi	1912	991	9.554850839	4.927253685	9.45	9.2	Afrotropic	Montane Grasslands and Shrublands	4.504465482
403647	USNM	Dasmys	Dasymys_foxi	1912	991	9.554850839	5.087596335	9.45	9.2	Afrotropic	Montane Grasslands and Shrublands	4.504465482
403681	USNM	Dasmys	Dasymys_foxi	1912	991	9.554850839	4.875197323	9.45	9.2	Afrotropic	Montane Grasslands and Shrublands	4.504465482
403663	USNM	Dasmys	Dasymys_foxi	1912	991	9.554850839	4.787491743	9.45	9.2	Afrotropic	Montane Grasslands and Shrublands	4.504465482
403665	USNM	Dasmys	Dasymys_foxi	1912	991	9.554850839	4.574710979	9.45	9.2	Afrotropic	Montane Grasslands and Shrublands	4.504465482
403664	USNM	Dasmys	Dasymys_foxi	1912	991	9.554850839	4.753590191	9.45	9.2	Afrotropic	Montane Grasslands and Shrublands	4.504465482
44759	FMNH	Apodemus	Apodemus_peninsulae	1906	991	16.00191321	3.674963062	45.366666	127.28333	Palearctic	Temperate Broadleaf and Mixed Forests	4.512506501
49910	FMNH	Apodemus	Apodemus_peninsulae	1906	991	16.00191321	3.560030754	48.083333	122.25	Palearctic	Temperate Broadleaf and Mixed Forests	4.512506501
19078	FMNH	Apodemus	Apodemus_peninsulae	1906	991	16.00191321	3.461126886	34.6028	103.367	Palearctic	Temperate Conifer Forests	4.512506501
32775	FMNH	Apodemus	Apodemus_peninsulae	1906	991	16.00191321	3.337182746	40.94157	117.71434	Palearctic	Temperate Broadleaf and Mixed Forests	4.512506501
45220	FMNH	Apodemus	Apodemus_peninsulae	1906	991	16.00191321	3.274933941	32.5	103.666667	Palearctic	Temperate Conifer Forests	4.512506501

18931	FMNH	Apodemus	Apodemus_peninsulae	1906	991	16.00191321	3.217278112	33.8805	107.38333	Palearctic	Temperate Broadleaf and Mixed Forests	4.512506501
32773	FMNH	Apodemus	Apodemus_peninsulae	1906	991	16.00191321	3.161941226	40.94157	117.71434	Palearctic	Temperate Broadleaf and Mixed Forests	4.512506501
19076	FMNH	Apodemus	Apodemus_peninsulae	1906	991	16.00191321	3.152702951	34.491	103.745	Palearctic	Temperate Conifer Forests	4.512506501
18932	FMNH	Apodemus	Apodemus_peninsulae	1906	991	16.00191321	3.019074887	33.8805	107.38333	Palearctic	Temperate Broadleaf and Mixed Forests	4.512506501
45226	FMNH	Apodemus	Apodemus_peninsulae	1906	991	16.00191321	2.841413516	32.5	103.666667	Palearctic	Temperate Conifer Forests	4.512506501
62289	FMNH	Rhynchomys	Rhynchomys_soricoides	1895	991	8.346412606	5.410961251	16.85	120.8666	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.532599493
62290	FMNH	Rhynchomys	Rhynchomys_soricoides	1895	991	8.346412606	5.183903065	16.85	120.8666	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.532599493
102549	USNM	Carpomys	Carpomys_melanurus	1895	991	7.841227377	5.100889008	16.866666667	120.766666667	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.532599493
62291	FMNH	Carpomys	Carpomys_phaeurus	1895	991	8.346412606	4.834412991	16.8334	121.0167	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.532599493
200222	USNM	Rattus	Rattus_hoffmanni	1901	651	12.03622242	5.305129943	-4	123.03333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.565805462

216826	USNM	Rattus	Rattus_hoffmanni	1901	651	12.03622242	5.136851885	1.666666667	125.0833333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.565805462
200193	USNM	Rattus	Rattus_hoffmanni	1901	651	12.03622242	5.012113503	-4.8495	119.5162	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.565805462
200067	USNM	Rattus	Rattus_hoffmanni	1901	651	12.03622242	4.934715162	0.775847	121.668092	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.565805462
43407	FMNH	Rattus	Rattus_hoffmanni	1901	651	12.03622242	4.905705096	-0.716666667	120.0666667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.565805462
217584	USNM	Rattus	Rattus_hoffmanni	1901	651	12.03622242	4.798152107	1.466666667	125.0333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.565805462
43408	FMNH	Rattus	Rattus_hoffmanni	1901	651	12.03622242	4.777787773	-0.716666667	120.0666667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.565805462
219588	USNM	Rattus	Rattus_hoffmanni	1901	651	12.03622242	4.718027384	-1.3145	120.079	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.565805462
200083	USNM	Rattus	Rattus_hoffmanni	1901	651	12.03622242	4.670023436	15.58333333	32.53333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.565805462
218699	USNM	Rattus	Rattus_hoffmanni	1901	651	12.03622242	4.650813872	-1.3187	120.0809	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.565805462
58683	TCWC	Desmomys	Desmomys_harringtoni	1902	991	12.48843347	3.828641396	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	4.568402462

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157502	FMNH	Grammomys	Grammomys_dryas	1907	991	10.04803728	3.90197267	-1.3653	29.65736	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.569232079
157498	FMNH	Grammomys	Grammomys_dryas	1907	991	10.04803728	3.725693427	-1.3653	29.65736	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.569232079
26391	FMNH	Grammomys	Grammomys_dryas	1907	991	10.04803728	3.785070957	0.333333333	29.8	Afrotropic	Montane Grasslands and Shrublands	4.569232079
137672	FMNH	Grammomys	Grammomys_dryas	1907	991	10.04803728	3.637586616	-0.053333333	0.4925	NA	NA	4.569232079
137676	FMNH	Grammomys	Grammomys_dryas	1907	991	10.04803728	3.465735903	-0.053333333	0.4925	NA	NA	4.569232079
149033	FMNH	Grammomys	Grammomys_dryas	1907	991	10.04803728	3.663561646	-2.8666	29.4	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.569232079
157506	FMNH	Grammomys	Grammomys_dryas	1907	991	10.04803728	3.526360525	-1.3653	29.65736	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.569232079
148439	FMNH	Grammomys	Grammomys_dryas	1907	991	10.04803728	3.663561646	-2.9036	29.4722	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.569232079
26392	FMNH	Grammomys	Grammomys_dryas	1907	991	10.04803728	3.197447051	0.333333333	29.8	Afrotropic	Montane Grasslands and Shrublands	4.569232079
149034	FMNH	Grammomys	Grammomys_dryas	1907	991	10.04803728	3.005682604	-2.8666	29.4	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.569232079

216977	USNM	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	5.143987247	1.666666667	125.0833333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
219677	USNM	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	5.082281676	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
219639	USNM	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	5.077218161	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
168677	FMNH	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	4.787491743	10.61667	104.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
200226	USNM	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	5.004466627	15.583333333	32.533333333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.572130332
216978	USNM	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	4.995798492	1.666666667	125.0833333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
200224	USNM	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	4.969311465	0.775847	121.668092	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
168676	FMNH	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	4.943035124	10.61667	104.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
217766	USNM	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	4.898463503	1.466666667	125.2333333	NA	NA	4.572130332
219662	USNM	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	4.894874724	-1.6	120.0333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332

200230	USNM	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	4.849070459	-4.8495	119.5162	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
216872	USNM	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	4.80361097	1.666666667	125.0833333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
217787	USNM	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	4.698485487	0.895	124.441388	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
218123	USNM	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	4.433348298	-0.65	119.7833333	NA	NA	4.572130332
218693	USNM	Maxomys	Maxomys_musschenbroekii	1878	492	12.03965054	4.392122485	-1.3187	120.0809	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
200250	USNM	Maxomys	Maxomys_musschenbroekii	1878	492	12.03965054	4.277203837	0.775847	121.668092	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
219626	USNM	Maxomys	Maxomys_musschenbroekii	1878	492	12.03965054	4.230336311	-1.3145	120.079	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
219611	USNM	Maxomys	Maxomys_musschenbroekii	1878	492	12.03965054	4.208546826	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
200245	USNM	Maxomys	Maxomys_musschenbroekii	1878	492	12.03965054	4.195735476	0.775847	121.668092	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
217732	USNM	Maxomys	Maxomys_musschenbroekii	1878	492	12.03965054	4.095400961	0.895	124.441388	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
472715	USNM	Dipodillus	Dipodillus_maghrebi	1972	911	10.91938146	4.060443011	34.48	-4.8	Palearctic	Mediterranean Forests, Woodlands and Scrub	4.572130332

217704	USNM	Maxomys	Maxomys_musschenbroekii	1878	492	12.03965054	4.050269812	1.15	124.8	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
217709	USNM	Maxomys	Maxomys_musschenbroekii	1878	492	12.03965054	4.017109861	0.895	124.444138	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
472718	USNM	Dipodillus	Dipodillus_maghrebi	1972	911	10.91938146	3.850147602	34.48	-4.8	Palearctic	Mediterranean Forests, Woodlands and Scrub	4.572130332
472717	USNM	Dipodillus	Dipodillus_maghrebi	1972	911	10.91938146	3.713572067	34.48	-4.8	Palearctic	Mediterranean Forests, Woodlands and Scrub	4.572130332
217701	USNM	Maxomys	Maxomys_musschenbroekii	1878	492	12.03965054	3.891019558	1.466666667	125.0333333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
472716	USNM	Dipodillus	Dipodillus_maghrebi	1972	911	10.91938146	3.637588616	34.48	-4.8	Palearctic	Mediterranean Forests, Woodlands and Scrub	4.572130332
472713	USNM	Dipodillus	Dipodillus_maghrebi	1972	911	10.91938146	3.526360525	34.48	-4.8	Palearctic	Mediterranean Forests, Woodlands and Scrub	4.572130332
472719	USNM	Dipodillus	Dipodillus_maghrebi	1972	911	10.91938146	3.784189634	34.48	-4.8	Palearctic	Mediterranean Forests, Woodlands and Scrub	4.572130332
216947	USNM	Maxomys	Maxomys_musschenbroekii	1878	492	12.03965054	3.706641265	1.666666667	125.0833333	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
UAZ09368	UAZ	Maxomys	Maxomys_musschenbroekii	1878	492	12.03965054	4.094344562	3.234812	101.629802	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
M-226824	AMNH	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	5.393627546	-1.003	120.338	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332

M-226823	AMNH	Maxomys	Maxomys_hellwaldii	1878	492	11.8821882	5.298317367	-1.003	120.338	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.572130332
271023	USNM	Maxomys	Maxomys_hylomyoides	1916	863	5.644017505	4.219507705	5.5848	95.3137	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.589244035
UAZ 21770	UAZ	Apodemus	Apodemus_flavicollis	1834	666	15.61820976	3.417726684	50.220134	12.546742	Palearctic	Temperate Broadleaf and Mixed Forests	4.589751933
354834	USNM	Mus	Mus_macedonicus	1983	801	14.14247512	2.707030382	37.323452	47.826325	Palearctic	Temperate Grasslands, Savannas and Shrublands	4.597440388
327697	USNM	Mus	Mus_macedonicus	1983	801	14.14247512	2.526904122	36.916671	34.883331	Palearctic	Mediterranean Forests, Woodlands and Scrub	4.597440388
327689	USNM	Mus	Mus_macedonicus	1983	801	14.14247512	2.519020164	38.412726	27.138376	Palearctic	Mediterranean Forests, Woodlands and Scrub	4.597440388
341533	USNM	Mus	Mus_macedonicus	1983	801	14.14247512	2.358756802	36.837064 99	54.658077 79	Palearctic	Temperate Broadleaf and Mixed Forests	4.597440388
354810	USNM	Mus	Mus_macedonicus	1983	801	14.14247512	2.224681538	34.238252 74	47.593251 81	Palearctic	Temperate Broadleaf and Mixed Forests	4.597440388
327702	USNM	Mus	Mus_macedonicus	1983	801	14.14247512	2.152617614	37.213831	34.45169	Palearctic	Mediterranean Forests, Woodlands and Scrub	4.597440388
341560	USNM	Mus	Mus_macedonicus	1983	801	14.14247512	2.144487664	36.567222 22	51.583888 89	Palearctic	Temperate Broadleaf and Mixed Forests	4.597440388
354798	USNM	Mus	Mus_macedonicus	1983	801	14.14247512	2.051210538	37.525444 44	55.653453 25	Palearctic	Temperate Broadleaf and Mixed Forests	4.597440388

327709	USNM	Mus	Mus_macedonicus	1983	801	14.14247512	1.941942838	38.690805	35.553801	Palearctic	Temperate Broadleaf and Mixed Forests	4.597440388
327753	USNM	Mus	Mus_macedonicus	1983	801	14.14247512	1.924715907	36.2167	37.1667	Palearctic	Mediterranean Forests, Woodlands and Scrub	4.597440388
63841	FMNH	Apodemus	Apodemus_alpicola	1952	409	11.61554835	3.685530281	47.633333	13	Palearctic	Temperate Conifer Forests	4.609958703
66238	FMNH	Apodemus	Apodemus_alpicola	1952	409	11.61554835	3.332200451	47.533333	10.266666	Palearctic	Temperate Conifer Forests	4.609958703
66239	FMNH	Apodemus	Apodemus_alpicola	1952	409	11.61554835	3.258096538	47.533333	10.266666	Palearctic	Temperate Conifer Forests	4.609958703
162917	AMNH	Apodemus	Apodemus_alpicola	1952	409	11.61554835	3.476002771	47.633333	13	Palearctic	Temperate Conifer Forests	4.609958703
66240	FMNH	Apodemus	Apodemus_alpicola	1952	409	11.61554835	3.332200451	47.533333	10.266666	Palearctic	Temperate Conifer Forests	4.609958703
181929	AMNH	Apodemus	Apodemus_alpicola	1952	409	11.61554835	3.401197382	48.033333	16.333333	Palearctic	Temperate Broadleaf and Mixed Forests	4.609958703
66241	FMNH	Apodemus	Apodemus_alpicola	1952	409	11.61554835	3.091042453	47.533333	10.266666	Palearctic	Temperate Conifer Forests	4.609958703
63844	FMNH	Apodemus	Apodemus_alpicola	1952	409	11.61554835	3.260071734	47.633333	13	Palearctic	Temperate Conifer Forests	4.609958703
181919	AMNH	Apodemus	Apodemus_alpicola	1952	409	11.61554835	3.218875825	48.033333	16.333333	Palearctic	Temperate Broadleaf and Mixed Forests	4.609958703

18188 2	AM NH	Apode mus	Apodemus_ alpicola	1952	409	11.61554 835	2.9930 91654	47.63 3333 3	13	Pale arcti c	Temperate Conifer Forests	4.6099587 03
18180	TT U	Hylom yscus	Hylomyscus _alleni	1837	108 8	14.22818 589	2.8332 13344	4.683 3301	12.63 7060 2	Afro trop ic	Tropical and Subtropical Moist Broadleaf Forests	4.6106551 16
18100	TT U	Hylom yscus	Hylomyscus _alleni	1837	108 8	14.22818 589	2.9444 38979	4.583 3302	13.68 3329 6	Afro trop ic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.6106551 16
15336 8	US NM	Apode mus	Apodemus_ epimelas	1902	727	12.06726 11	4.1695 85503	37.98 3333 33	23.73 3333 33	Pale arcti c	Mediterranean Forests, Woodlands and Scrub	4.6315199 61
24044 7	US NM	Apode mus	Apodemus_ epimelas	1902	727	12.06726 11	3.9116 92756	42.4	18.91 6666 67	Pale arcti c	Mediterranean Forests, Woodlands and Scrub	4.6315199 61
24044 3	US NM	Apode mus	Apodemus_ epimelas	1902	727	12.06726 11	3.7979 99472	42.4	18.91 6666 67	Pale arcti c	Mediterranean Forests, Woodlands and Scrub	4.6315199 61
24044 1	US NM	Apode mus	Apodemus_ epimelas	1902	727	12.06726 11	3.7497 92677	42.4	18.91 6666 67	Pale arcti c	Mediterranean Forests, Woodlands and Scrub	4.6315199 61
24044 4	US NM	Apode mus	Apodemus_ epimelas	1902	727	12.06726 11	3.7468 48395	42.5	19.3	Pale arcti c	Mediterranean Forests, Woodlands and Scrub	4.6315199 61
15337 3	US NM	Apode mus	Apodemus_ epimelas	1902	727	12.06726 11	3.6913 2025	37.98 3333 33	23.73 3333 33	Pale arcti c	Mediterranean Forests, Woodlands and Scrub	4.6315199 61
24044 2	US NM	Apode mus	Apodemus_ epimelas	1902	727	12.06726 11	3.6401 21466	42.4	18.91 6666 67	Pale arcti c	Mediterranean Forests, Woodlands and Scrub	4.6315199 61
15337 5	US NM	Apode mus	Apodemus_ epimelas	1902	727	12.06726 11	3.6344 61388	37.98 3333 33	23.73 3333 33	Pale arcti c	Mediterranean Forests, Woodlands and Scrub	4.6315199 61

240440	USNM	Apodemus	Apodemus_epimelas	1902	727	12.0672611	3.401466976	42.4	18.91666667	Palearctic	Mediterranean Forests, Woodlands and Scrub	4.631519961
153323	USNM	Apodemus	Apodemus_epimelas	1902	727	12.0672611	3.238875207	37.98333333	23.73333333	Palearctic	Mediterranean Forests, Woodlands and Scrub	4.631519961
556208	USNM	Mus	Mus_spicilegus	1882	794	13.62677337	2.917770732	45.05256	20.59861	Palearctic	Temperate Broadleaf and Mixed Forests	4.638991734
556214	USNM	Mus	Mus_spicilegus	1882	794	13.62677337	2.917770732	47.9	17.06666667	Palearctic	Temperate Broadleaf and Mixed Forests	4.638991734
538409	USNM	Mus	Mus_spicilegus	1882	794	13.62677337	2.833213344	45.05256	20.59861	Palearctic	Temperate Broadleaf and Mixed Forests	4.638991734
556209	USNM	Mus	Mus_spicilegus	1882	794	13.62677337	2.740840024	45.05256	20.59861	Palearctic	Temperate Broadleaf and Mixed Forests	4.638991734
556217	USNM	Mus	Mus_spicilegus	1882	794	13.62677337	2.147957642	47.9	17.06666667	Palearctic	Temperate Broadleaf and Mixed Forests	4.638991734
556210	USNM	Mus	Mus_spicilegus	1882	794	13.62677337	2.639005733	45.05256	20.59861	Palearctic	Temperate Broadleaf and Mixed Forests	4.638991734
556215	USNM	Mus	Mus_spicilegus	1882	794	13.62677337	1.906150464	47.9	17.06666667	Palearctic	Temperate Broadleaf and Mixed Forests	4.638991734
598999	USNM	Mus	Mus_spicilegus	1882	794	13.62677337	1.711534045	47.86666667	16.96666667	Palearctic	Temperate Broadleaf and Mixed Forests	4.638991734
598998	USNM	Mus	Mus_spicilegus	1882	794	13.62677337	1.650988654	47.92326027	16.96666667	Palearctic	Temperate Broadleaf and Mixed Forests	4.638991734

219606	USNM	Bunomys	Bunomys_andrewsi	1911	475	11.6700261	5.035454965	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.641405679
219605	USNM	Bunomys	Bunomys_andrewsi	1911	475	11.6700261	4.905546998	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.641405679
219581	USNM	Bunomys	Bunomys_andrewsi	1911	475	11.6700261	4.835147811	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.641405679
219619	USNM	Bunomys	Bunomys_andrewsi	1911	475	11.6700261	4.823939885	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.641405679
219622	USNM	Bunomys	Bunomys_andrewsi	1911	475	11.6700261	4.697194639	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.641405679
218138	USNM	Bunomys	Bunomys_andrewsi	1911	475	11.6700261	4.665147339	-0.65	119.783333	NA	NA	4.641405679
219616	USNM	Bunomys	Bunomys_andrewsi	1911	475	11.6700261	4.571596188	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.641405679
218115	USNM	Bunomys	Bunomys_andrewsi	1911	475	11.6700261	4.523862	-0.65	119.783333	NA	NA	4.641405679
219574	USNM	Bunomys	Bunomys_andrewsi	1911	475	11.6700261	4.446780433	-1.392	120.632	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.641405679
218114	USNM	Bunomys	Bunomys_andrewsi	1911	475	11.6700261	4.440406823	-0.65	119.783333	NA	NA	4.641405679
58716	TCWC	Stenocephalemys	Stenocephalemys_griseicauda	1972	263	10.57100488	4.276666119	8.040277778	36.021388889	Afrotropic	Montane Grasslands and Shrublands	4.659468959

58714	TCWC	Stenocephalemys	Stenocephalemys_griseicauda	1972	263	10.57100488	4.382026635	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	4.659468959
58715	TCWC	Stenocephalemys	Stenocephalemys_griseicauda	1972	263	10.57100488	4.204692619	8.040277778	36.02138889	Afrotropic	Montane Grasslands and Shrublands	4.659468959
46718	FMNH	Mus	Mus_cervicolor	1845	431	12.43470684	3.109333554	11.68333	108.35	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749
76751	FMNH	Mus	Mus_cervicolor	1845	431	12.43470684	3.102828888	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749
37845	FMNH	Mus	Mus_cervicolor	1845	431	12.43470684	3.046509994	15.33333	106.33333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749
76790	FMNH	Mus	Mus_cervicolor	1845	431	12.43470684	2.654690336	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749
76755	FMNH	Mus	Mus_cervicolor	1845	431	12.43470684	2.645576162	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749
46708	FMNH	Mus	Mus_cervicolor	1845	431	12.43470684	2.570784046	12.08333	108.5	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749
76748	FMNH	Mus	Mus_cervicolor	1845	431	12.43470684	2.417540512	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749

84995	FMNH	Mus	Mus_cervicolor	1845	431	12.4347068	2.109647079	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749
27877	TTU	Mus	Mus_cervicolor	1845	431	12.4347068	2.639057333	-6.136271	106.9212112	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749
27878	TTU	Mus	Mus_cervicolor	1845	431	12.4347068	2.302585093	-6.136271	106.9212112	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749
27488	TTU	Mus	Mus_cervicolor	1845	431	12.4347068	2.890371758	-6.136271	106.9212112	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749
27876	TTU	Mus	Mus_cervicolor	1845	431	12.4347068	2.484900665	-6.136271	106.9212112	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749
27879	TTU	Mus	Mus_cervicolor	1845	431	12.4347068	2.944438979	-6.136271	106.9212112	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749
27875	TTU	Mus	Mus_cervicolor	1845	431	12.4347068	2.995732274	-6.136271	106.9212112	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.703747749
UAZ 13350	UAZ	Arvicanthis	Arvicanthis_abyssinicus	1842	828	12.5984102	4.343805422	-1.062046	35.229945	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.736461572
UAZ 13349	UAZ	Arvicanthis	Arvicanthis_abyssinicus	1842	828	12.5984102	3.433987204	-1.062046	35.229945	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.736461572

UAZ 24231	UAZ	Hybomys	Hybomys_trivirgatus	1853	988	12.8666881	4.007333185	5.309638	-4.166954	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.761318868
28140	FMNH	Otomys	Otomys_typus	1877	421	12.89089739	5.039842016	9.666666667	38.58333333	Afrotropic	Montane Grasslands and Shrublands	4.776430795
44413	FMNH	Otomys	Otomys_typus	1877	421	12.89089739	4.980387995	-3.61667	30.58333	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.776430795
28133	FMNH	Otomys	Otomys_typus	1877	421	12.89089739	4.891281066	7.916666667	39.78333333	Afrotropic	Montane Grasslands and Shrublands	4.776430795
144341	FMNH	Otomys	Otomys_typus	1877	421	12.89089739	4.543294782	0.3833	29.8833	Afrotropic	Montane Grasslands and Shrublands	4.776430795
28150	FMNH	Otomys	Otomys_typus	1877	421	12.89089739	4.610088017	13.26666667	38.11666667	Afrotropic	Montane Grasslands and Shrublands	4.776430795
44414	FMNH	Otomys	Otomys_typus	1877	421	12.89089739	4.600720591	-8.11667	35.91667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.776430795
108207	FMNH	Otomys	Otomys_typus	1877	421	12.89089739	4.412798293	4.033333333	32.83333333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.776430795
144342	FMNH	Otomys	Otomys_typus	1877	421	12.89089739	4.234106505	0.3833	29.8833	Afrotropic	Montane Grasslands and Shrublands	4.776430795
153762	FMNH	Otomys	Otomys_typus	1877	421	12.89089739	3.688879454	-3.033333333	37.2	Afrotropic	Montane Grasslands and Shrublands	4.776430795
39269	FMNH	Chiromyscus	Chiromyscus_chiropus	1891	991	12.96386203	5.026127576	22.35	103.86666	Indo-	Tropical and Subtropical Moist Broadleaf Forests	4.778114581

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308218	USNM	Chiromyscus	Chiromyscus_chiropus	1891	991	12.96386203	4.752380425	17.328861	101.302414	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.778114581
321507	USNM	Chiromyscus	Chiromyscus_chiropus	1891	991	12.96386203	4.557544217	16.616666667	106.6	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.778114581
72010	LACM	Micromys	Micromys_minutus	1771	776	16.72027246	1.252762968	51.18333	0.28333	Palearctic	Temperate Broadleaf and Mixed Forests	4.786908239
72009	LACM	Micromys	Micromys_minutus	1771	776	16.72027246	1.252762968	51.18333	0.28333	Palearctic	Temperate Broadleaf and Mixed Forests	4.786908239
62246	FMNH	Malacomys	Malacomys_cansdalei	1958	38	12.39122792	4.833922997	5.929	-0.9725	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.80851911
465000	USNM	Malacomys	Malacomys_cansdalei	1958	38	12.39122792	4.488663637	6.38	-3.52	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.80851911
486154	USNM	Malacomys	Malacomys_cansdalei	1958	38	12.39122792	4.615120517	5.38	-2.47	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.80851911
486156	USNM	Malacomys	Malacomys_cansdalei	1958	38	12.39122792	4.564348191	5.38	-2.47	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.80851911
486159	USNM	Malacomys	Malacomys_cansdalei	1958	38	12.39122792	4.744954644	5.38	-2.47	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.80851911
414584	USNM	Malacomys	Malacomys_cansdalei	1958	38	12.39122792	4.574710979	6.53	-2.33	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.80851911

486152	USNM	Malacomys	Malacomys_cansdalei	1958	38	12.39122792	4.304065093	5.38	-2.47	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.80851911
486150	USNM	Malacomys	Malacomys_cansdalei	1958	38	12.39122792	4.290459441	5.38	-2.47	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.80851911
486157	USNM	Malacomys	Malacomys_cansdalei	1958	38	12.39122792	4.406719247	5.38	-2.47	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.80851911
486158	USNM	Malacomys	Malacomys_cansdalei	1958	38	12.39122792	4.498960598	5.38	-2.47	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.80851911
486155	USNM	Malacomys	Malacomys_cansdalei	1958	38	12.39122792	4.143134726	5.38	-2.47	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.80851911
481978	USNM	Malacomys	Malacomys_cansdalei	1958	38	12.39122792	3.912023005	6.22	-8.13	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.80851911
533370	USNM	Berylmys	Berylmys_berdmorei	1851	91	13.40124118	5.703782475	12.26666667	102.283333	Indo-Malay	Mangroves	4.821007109
533364	USNM	Berylmys	Berylmys_berdmorei	1851	91	13.40124118	5.618587629	14.3	101.316667	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.821007109
321227	USNM	Berylmys	Berylmys_berdmorei	1851	91	13.40124118	5.294209595	11.883333333	108.2	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.821007109
357706	USNM	Berylmys	Berylmys_berdmorei	1851	91	13.40124118	5.270849891	16.666666667	107.2	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.821007109

357225	USNM	Berylmys	Berylmys_berdmorei	1851	91	13.40124118	5.242735102	8.683333333	106.616666667	NA	NA	4.821007109
533368	USNM	Berylmys	Berylmys_berdmorei	1851	91	13.40124118	5.46255981	13.98333333	101.716666667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.821007109
533365	USNM	Berylmys	Berylmys_berdmorei	1851	91	13.40124118	5.399519247	14.66666667	101.85	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.821007109
321226	USNM	Berylmys	Berylmys_berdmorei	1851	91	13.40124118	5.216311427	11.783	107.566	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.821007109
533367	USNM	Berylmys	Berylmys_berdmorei	1851	91	13.40124118	4.871373227	12.23333333	102.5	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.821007109
533362	USNM	Berylmys	Berylmys_berdmorei	1851	91	13.40124118	5.062595033	14.45	102.667	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.821007109
106172	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.557227311	51.496724	30.643896 4	Palearctic	Temperate Broadleaf and Mixed Forests	4.828153725
106175	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.587764035	51.496724	30.643896 4	Palearctic	Temperate Broadleaf and Mixed Forests	4.828153725
106170	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.714694744	51.496724	30.643896 4	Palearctic	Temperate Broadleaf and Mixed Forests	4.828153725

106171	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.772588722	51.496724	30.643896 4	Palearctic	Temperate Broadleaf and Mixed Forests	4.828153725
106176	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	3.310543013	51.496724	30.643896 4	Palearctic	Temperate Broadleaf and Mixed Forests	4.828153725
106169	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.140066163	51.496724	30.643896 4	Palearctic	Temperate Broadleaf and Mixed Forests	4.828153725
106167	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.564949357	51.496724	30.643896 4	Palearctic	Temperate Broadleaf and Mixed Forests	4.828153725
106174	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.694627181	51.496724	30.643896 4	Palearctic	Temperate Broadleaf and Mixed Forests	4.828153725
106168	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.714694744	51.496724	30.643896 4	Palearctic	Temperate Broadleaf and Mixed Forests	4.828153725
106177	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	3.148453361	51.496724	30.643896 4	Palearctic	Temperate Broadleaf and Mixed Forests	4.828153725
106173	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	3.427551469	51.496724	30.643896 4	Palearctic	Temperate Broadleaf and Mixed Forests	4.828153725
110731	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.833213344	42.842222 2	75.223333 3	Palearctic	Deserts and Xeric Shrublands	4.828153725
110732	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.302585093	42.842222 2	75.223333 3	Palearctic	Deserts and Xeric Shrublands	4.828153725
110738	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	3.583518938	42.842222 2	75.223333 3	Palearctic	Deserts and Xeric Shrublands	4.828153725

110736	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.833213344	42.842222	75.223333	Palearctic	Deserts and Xeric Shrublands	4.828153725
110737	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.397895273	42.842222	75.223333	Palearctic	Deserts and Xeric Shrublands	4.828153725
110735	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	3.806662 49	42.842222	75.223333	Palearctic	Deserts and Xeric Shrublands	4.828153725
110733	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	3.688879454	42.842222	75.223333	Palearctic	Deserts and Xeric Shrublands	4.828153725
110734	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	3.555348061	42.842222	75.223333	Palearctic	Deserts and Xeric Shrublands	4.828153725
110751	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.844909384	42.838416 7	75.228333	Palearctic	Deserts and Xeric Shrublands	4.828153725
110750	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.747270914	42.838416 7	75.228333	Palearctic	Deserts and Xeric Shrublands	4.828153725
110748	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	3.632309103	42.834777 8	75.216722	Palearctic	Deserts and Xeric Shrublands	4.828153725
110747	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	3.549617387	42.834777 8	75.216722	Palearctic	Deserts and Xeric Shrublands	4.828153725
110744	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.803360381	42.834777 8	75.216722	Palearctic	Deserts and Xeric Shrublands	4.828153725
110746	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	3.563882964	42.834777 8	75.216722	Palearctic	Deserts and Xeric Shrublands	4.828153725

110749	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.803360381	42.834777 8	75.216722 2	Palearctic	Deserts and Xeric Shrublands	4.828153725
110745	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.753660712	42.834777 8	75.216722 2	Palearctic	Deserts and Xeric Shrublands	4.828153725
110753	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	3.005682604	42.834333 3	75.827083 3	Palearctic	Temperate Grasslands, Savannas and Shrublands	4.828153725
110739	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	3.039749159	42.834333 3	75.827083 3	Palearctic	Temperate Grasslands, Savannas and Shrublands	4.828153725
110752	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.975529566	42.834333 3	75.827083 3	Palearctic	Temperate Grasslands, Savannas and Shrublands	4.828153725
110741	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.674148649	42.832972 2	75.215833 3	Palearctic	Deserts and Xeric Shrublands	4.828153725
110740	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.727852828	42.832972 2	75.215833 3	Palearctic	Deserts and Xeric Shrublands	4.828153725
110743	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.833213344	42.832972 2	75.215833 3	Palearctic	Deserts and Xeric Shrublands	4.828153725
110742	TTU	Apodemus	Apodemus_agrarius	1771	776	16.26056964	2.602689685	42.832972 2	75.215833 3	Palearctic	Deserts and Xeric Shrublands	4.828153725
67064	LACM	Rattus	Rattus_exulans	1848	783	15.41825	4.128745989	-3.55	152.366692	NA	NA	4.836202539
27522	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.871201011	-6.1181931	106.792401	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

27884	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.555348061	-6.1181931	106.799240 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27521	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.433987204	-6.1181931	106.799240 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27517	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.258096538	-6.1181931	106.799240 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27865	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.850147602	-6.1181931	106.799240 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27885	TTU	Rattus	Rattus_exulans	1848	783	15.41825	4.007333185	-6.1181931	106.799240 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27519	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.332204 51	-6.1181931	106.799240 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27520	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.688879454	-6.1181931	106.799240 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27518	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.258096538	-6.1181931	106.799240 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

27274	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.610917913	-6.1317515	106.802295	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27496	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.970291914	-6.1317515	106.802295	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27497	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.871201011	-6.1317515	106.802295	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27273	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.295836866	-6.1317515	106.802295	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27495	TTU	Rattus	Rattus_exulans	1848	783	15.41825	2.833213344	-6.1317515	106.802295	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27494	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.688879454	-6.1340117	106.802295	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27272	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.526360525	-6.1340117	106.802295	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27881	TTU	Rattus	Rattus_exulans	1848	783	15.41825	4.465908119	-6.1340117	106.802295	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

27270	TTU	Rattus	Rattus_exulans	1848	783	15.41825	4.060443011	-6.136271	106.921212	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27271	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.688879454	-6.138491	106.860099	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27523	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.761200116	-6.145320	106.84898	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27887	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.988984047	-6.145320	106.84898	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27276	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.951243719	-6.145320	106.84898	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27279	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.555348061	-6.145320	106.84898	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27277	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.401197382	-6.145320	106.84898	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27278	TTU	Rattus	Rattus_exulans	1848	783	15.41825	2.995732274	-6.145320	106.84898	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

27275	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.044522438	-6.1453204	106.848938	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27551	TTU	Rattus	Rattus_exulans	1848	783	15.41825	4.127134385	-6.1453204	106.848938	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27322	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.931825633	-6.1453204	106.848938	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27889	TTU	Rattus	Rattus_exulans	1848	783	15.41825	4.094344562	-6.1498399	106.844414	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27283	TTU	Rattus	Rattus_exulans	1848	783	15.41825	4.143134726	-6.1498399	106.848938	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27282	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.401197382	-6.1498399	106.848938	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27280	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.912023005	-6.1498399	106.848938	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27281	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.526360525	-6.1498399	106.848938	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

90642	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.742420221	-7.3411002	146.701904343	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
90637	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.786459782	-7.3411002	146.701904343	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
90638	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.817712326	-7.3411002	146.701904343	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
90630	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.881563798	-7.3411002	146.701904343	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
90632	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.716008122	-7.3411002	146.701904343	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
90641	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.453157121	-7.3411002	146.701904343	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
90635	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.430756184	-7.3411002	146.701904343	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
90629	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.317815773	-7.3411002	146.701904343	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
90636	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.109060959	-7.3411002	146.701904343	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
90631	LACM	Rattus	Rattus_exulans	1848	783	15.41825	2.975529566	-7.3411002	146.701904343	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
90628	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.871201011	-7.3411002	146.701904343	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

90627	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.970291914	-7.3411002	146.701904 3	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
90640	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.740047741	-7.3411002	146.701904 3	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
90634	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.481240089	-7.3411002	146.701904 3	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
90639	LACM	Rattus	Rattus_exulans	1848	783	15.41825	2.839078464	-7.3411002	146.701904 3	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27568	TTU	Rattus	Rattus_exulans	1848	783	15.41825	2.833213344	-7.459929	110.39711	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27908	TTU	Rattus	Rattus_exulans	1848	783	15.41825	4.043051268	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27917	TTU	Rattus	Rattus_exulans	1848	783	15.41825	4.025351691	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27914	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.806662249	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27304	TTU	Rattus	Rattus_exulans	1848	783	15.41825	4.007333185	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

27919	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.828641396	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27916	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.555348061	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27925	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.663561646	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27926	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.688879454	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27912	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.63758616	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27927	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.737669618	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27920	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.891820298	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27305	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.218875825	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

27913	TTU	Rattus	Rattus_exulans	1848	783	15.41825	2.890371758	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27915	TTU	Rattus	Rattus_exulans	1848	783	15.41825	2.944438979	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27584	TTU	Rattus	Rattus_exulans	1848	783	15.41825	2.639055733	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27306	TTU	Rattus	Rattus_exulans	1848	783	15.41825	2.484900665	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27923	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.806606249	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27918	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.713572067	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27924	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.761200116	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27307	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.637558616	-7.4890361	110.35700023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

27909	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.218875825	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27910	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.465735903	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27303	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.295836866	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27907	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.526360525	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27911	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.091042453	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27302	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.3322 0451	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27922	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.784189634	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27921	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.258096538	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

27569	TTU	Rattus	Rattus_exulans	1848	783	15.41825	2.944438979	-7.4966955	110.351059	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27553	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.891820298	-7.5039248	110.343772 9	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27286	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.850147602	-7.5039248	110.343772 9	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27285	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.688879454	-7.5039248	110.343772 9	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27287	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.663561646	-7.5039248	110.343772 9	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27284	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.218875825	-7.5039248	110.343772 9	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27590	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.761200116	-7.5081539	110.432601 9	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27588	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.496507561	-7.5081539	110.434867 9	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

27587	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.113494216	-7.5081539	110.434867979	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27589	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.737669618	-7.5081539	110.434867979	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27312	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.850147602	-7.5081539	110.434867979	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27310	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.663561646	-7.5081539	110.434867979	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27313	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.713572067	-7.5081539	110.434867979	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27311	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.610917913	-7.5081539	110.434867979	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27314	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.761200116	-7.5081539	110.432601979	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27315	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.295836866	-7.5081539	110.432601979	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

27566	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.931825633	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27554	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.988984047	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27300	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.988984047	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27565	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.951243719	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27555	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.988984047	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27296	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.761200116	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27298	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.988984047	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27557	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.931825633	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

27297	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.850147602	-7.511938	110.437729	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27294	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.713572067	-7.511938	110.437729	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27556	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.526360525	-7.511938	110.437729	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27292	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.891820298	-7.511938	110.437729	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27293	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.465735903	-7.511938	110.437729	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27567	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.912023005	-7.511938	110.437729	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27562	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.178005383	-7.511938	110.437729	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27563	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.218875825	-7.511938	110.437729	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

27558	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.663561646	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27559	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.912023005	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27561	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.761200116	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27288	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.806662249	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27564	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.951243719	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27299	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.828641396	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27321	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.526360525	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27560	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.713572067	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

27289	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.526360525	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27291	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.526360525	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27295	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.332200451	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27290	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.713572067	-7.511938	110.343772929	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27308	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.737669618	-7.514943621	110.439392121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27309	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.761200116	-7.514943621	110.439392121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27586	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.610917913	-7.514943621	110.439392121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
27301	TTU	Rattus	Rattus_exulans	1848	783	15.41825	3.496507561	-7.529526917	110.581031818	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.836202539

91249	LACM	Rattus	Rattus_exulans	1848	783	15.41825	3.663561646	-15.55	167.15	Australasia	Tropical and Subtropical Moist Broadleaf Forests	4.836202539
62294	FMNH	Crateromys	Crateromys_schadenbergi	1895	127	8.213341498	7.410993814	16.8334	121.0167	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.840005126
62295	FMNH	Crateromys	Crateromys_schadenbergi	1895	127	8.213341498	7.244650459	16.8334	121.0167	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.840005126
290611	USNM	Crateromys	Crateromys_schadenbergi	1895	127	8.213341498	6.661914277	16.866666667	120.766666667	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.840005126
282646	USNM	Crateromys	Crateromys_schadenbergi	1895	127	8.213341498	6.66072092	16.866666667	120.766666667	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.840005126
102544	USNM	Crateromys	Crateromys_schadenbergi	1895	127	8.213341498	6.636235274	16.866666667	120.766666667	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.840005126
102554	USNM	Crateromys	Crateromys_schadenbergi	1895	127	8.213341498	6.57963669	16.866666667	120.766666667	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.840005126
102546	USNM	Crateromys	Crateromys_schadenbergi	1895	127	8.213341498	6.550832546	16.866666667	120.766666667	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.840005126
146562	AMNH	Crateromys	Crateromys_schadenbergi	1895	127	8.213341498	6.545383374	16.866666667	120.766666667	Indo-	Tropical and Subtropical Coniferous Forests	4.840005126

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102545	USNM	Crateromys	Crateromys_schadenbergi	1895	127	8.213341498	6.513549099	16.866666667	120.7666667	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.840005126
62298	FMNH	Bullimus	Bullimus_luzonicus	1895	991	10.55339765	6.001617298	16.85	120.8666	Indo-Malay	Tropical and Subtropical Coniferous Forests	4.854215375
176577	FMNH	Bullimus	Bullimus_luzonicus	1895	991	10.55339765	5.974900417	17.61364	14.93994	Palearctic	Deserts and Xeric Shrublands	4.854215375
151505	USNM	Bullimus	Bullimus_luzonicus	1895	991	10.55339765	5.897605870	12.916666667	123.1166667	NA	NA	4.854215375
67361	LACM	Apodemus	Apodemus_sylvaticus	1758	606	15.42535094	2.821378886	54.25	-1.35	Palearctic	Temperate Broadleaf and Mixed Forests	4.896121907
67360	LACM	Apodemus	Apodemus_sylvaticus	1758	606	15.42535094	2.694627181	54.25	-1.35	Palearctic	Temperate Broadleaf and Mixed Forests	4.896121907
106178	TTU	Apodemus	Apodemus_sylvaticus	1758	606	15.42535094	3.122364924	51.496724	30.643896 4	Palearctic	Temperate Broadleaf and Mixed Forests	4.896121907
67368	LACM	Apodemus	Apodemus_sylvaticus	1758	606	15.42535094	2.727852828	51.28333	0.21667	Palearctic	Temperate Broadleaf and Mixed Forests	4.896121907
67370	LACM	Apodemus	Apodemus_sylvaticus	1758	606	15.42535094	2.631888884	51.28333	0.21667	Palearctic	Temperate Broadleaf and Mixed Forests	4.896121907
67367	LACM	Apodemus	Apodemus_sylvaticus	1758	606	15.42535094	2.873564464	51.26667	0.2	Palearctic	Temperate Broadleaf and Mixed Forests	4.896121907

67539	LACM	Apodemus	Apodemus_sylvaticus	1758	606	15.42535094	1.609437912	51.08333	0.11667	Palearctic	Temperate Broadleaf and Mixed Forests	4.896121907
UAZ 21771	UAZ	Apodemus	Apodemus_sylvaticus	1758	606	15.42535094	3.258096538	48.797895	16.803683	Palearctic	Temperate Broadleaf and Mixed Forests	4.896121907
UAZ 21772	UAZ	Apodemus	Apodemus_sylvaticus	1758	606	15.42535094	3.277144733	48.797895	16.803683	Palearctic	Temperate Broadleaf and Mixed Forests	4.896121907
UAZ 09363	UAZ	Leopoldamys	Leopoldamys_sabanus	1887	991	14.74711981	5.736572297	3.216667	101.63333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.902455995
53147	LACM	Mus	Mus_bufo	1906	991	11.15392656	1.791759469	0.5	30.41667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.909856857
53132	LACM	Mus	Mus_bufo	1906	991	11.15392656	2.302585093	0.41667	30	Afrotropic	Montane Grasslands and Shrublands	4.909856857
53131	LACM	Mus	Mus_bufo	1906	991	11.15392656	2.484900665	0.41667	30	Afrotropic	Montane Grasslands and Shrublands	4.909856857
53152	LACM	Mus	Mus_bufo	1906	991	11.15392656	2.397895273	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.909856857
35574	LACM	Mus	Mus_bufo	1906	991	11.15392656	2.484900665	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.909856857
53154	LACM	Mus	Mus_bufo	1906	991	11.15392656	2.302585093	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.909856857
35576	LACM	Mus	Mus_bufo	1906	991	11.15392656	2.302585093	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.909856857

53155	LACM	Mus	Mus_bufo	1906	991	11.1539256	2.397895273	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.909856857
35577	LACM	Mus	Mus_bufo	1906	991	11.1539256	2.564949357	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.909856857
35572	LACM	Mus	Mus_bufo	1906	991	11.1539256	2.772588722	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.909856857
35579	LACM	Mus	Mus_bufo	1906	991	11.1539256	2.197224577	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.909856857
35573	LACM	Mus	Mus_bufo	1906	991	11.1539256	2.484900665	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.909856857
35575	LACM	Mus	Mus_bufo	1906	991	11.1539256	2.708050201	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.909856857
35578	LACM	Mus	Mus_bufo	1906	991	11.1539256	2.351375257	-1	29.66667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.909856857
27596	TTU	Niviventer	Niviventer_niviventer	1836	431	12.44090353	3.891820298	-6.0096836	106.984458989	NA	NA	4.920418786
27936	TTU	Niviventer	Niviventer_niviventer	1836	431	12.44090353	4.317488114	-6.1181931	106.799240101	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.920418786
27935	TTU	Niviventer	Niviventer_niviventer	1836	431	12.44090353	4.204692619	-6.1181931	106.799240101	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.920418786

27937	TTU	Niviventer	Niviventer_niviventer	1836	431	12.4409035	4.33073334	-6.1453204	106.848938	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.920418786
27938	TTU	Niviventer	Niviventer_niviventer	1836	431	12.4409035	3.912023005	-6.1453204	106.848938	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.920418786
27939	TTU	Niviventer	Niviventer_niviventer	1836	431	12.4409035	3.555348061	-6.1453204	106.848938	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.920418786
27597	TTU	Niviventer	Niviventer_niviventer	1836	431	12.4409035	4.189654742	-6.1453204	106.848938	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.920418786
27601	TTU	Niviventer	Niviventer_niviventer	1836	431	12.4409035	4.343805422	-7.4890361	110.357002	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.920418786
27317	TTU	Niviventer	Niviventer_niviventer	1836	431	12.4409035	4.219507705	-7.4890361	110.357002	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.920418786
27600	TTU	Niviventer	Niviventer_niviventer	1836	431	12.4409035	4.219507705	-7.4890361	110.357002	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.920418786
27602	TTU	Niviventer	Niviventer_niviventer	1836	431	12.4409035	4.077537444	-7.4890361	110.357002	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.920418786

27316	TTU	Niviventer	Niviventer_niviventer	1836	431	12.4409035	4.189654742	-7.4890361	110.3570023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.920418786
27603	TTU	Niviventer	Niviventer_niviventer	1836	431	12.4409035	4.043051268	-7.4890361	110.3570023	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.920418786
27605	TTU	Niviventer	Niviventer_niviventer	1836	431	12.4409035	4.094344562	-7.4963155	110.3497238	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.920418786
171631	FMNH	Otomys	Otomys_tropicalis	1902	991	11.87587611	5.036952602	-2.23965	28.8117	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.935839906
202199	FMNH	Otomys	Otomys_tropicalis	1902	991	11.87587611	4.958195085	-6.245243	23.373204	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.935839906
202200	FMNH	Otomys	Otomys_tropicalis	1902	991	11.87587611	4.900694065	-6.245243	23.373204	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.935839906
189085	FMNH	Otomys	Otomys_tropicalis	1902	991	11.87587611	4.770684624	-0.12322	29.44608	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.935839906
161144	FMNH	Otomys	Otomys_tropicalis	1902	991	11.87587611	4.700480366	-0.2445	0.483333333	NA	NA	4.935839906
217634	FMNH	Otomys	Otomys_tropicalis	1902	991	11.87587611	4.718498871	1.07662	34.65667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.935839906
174175	FMNH	Otomys	Otomys_tropicalis	1902	991	11.87587611	4.430816799	-3.20765	37.446967	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.935839906

217633	FMNH	Otomys	Otomys_tropicalis	1902	991	11.87587611	4.430816799	1.07662	34.65667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.935839906
148394	FMNH	Otomys	Otomys_tropicalis	1902	991	11.87587611	4.288881577	-3	29.533333	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.935839906
174181	FMNH	Otomys	Otomys_tropicalis	1902	991	11.87587611	4.043051268	-3.1261	37.426667	Afrotropic	Montane Grasslands and Shrublands	4.935839906
53089	LACM	Otomys	Otomys_tropicalis	1902	991	11.87587611	4.700480366	0.816666667	20.06666667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.935839906
53090	LACM	Otomys	Otomys_tropicalis	1902	991	11.87587611	4.836281907	0.816666667	20.06666667	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.935839906
39234	FMNH	Niviventer	Niviventer_tenaster	1916	991	12.49146682	4.839959874	22.35	103.86666	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.940141296
168785	FMNH	Niviventer	Niviventer_tenaster	1916	991	12.49146682	4.605170186	10.61667	104.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.940141296
84926	FMNH	Niviventer	Niviventer_tenaster	1916	991	12.49146682	4.807986368	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.940141296
39229	FMNH	Niviventer	Niviventer_tenaster	1916	991	12.49146682	4.642388625	22.35	103.86666	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.940141296
168783	FMNH	Niviventer	Niviventer_tenaster	1916	991	12.49146682	4.356708827	10.61667	104.05	Indo-	Tropical and Subtropical Moist Broadleaf Forests	4.940141296

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168784	FMNH	Niviventer	Niviventer_tenaster	1916	991	12.4914682	4.33073334	10.61667	104.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.940141296
39232	FMNH	Niviventer	Niviventer_tenaster	1916	991	12.4914682	4.480094581	22.35	103.86666	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.940141296
168782	FMNH	Niviventer	Niviventer_tenaster	1916	991	12.4914682	4.219507705	10.61667	104.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.940141296
84937	FMNH	Niviventer	Niviventer_tenaster	1916	991	12.4914682	4.344564473	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.940141296
84919	FMNH	Niviventer	Niviventer_tenaster	1916	991	12.4914682	4.251724486	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.940141296
274186	AMNH	Niviventer	Niviventer_langbianis	1922	863	13.35733981	4.787491743	22.77	104.82	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.947908464
31992	FMNH	Niviventer	Niviventer_langbianis	1922	863	13.35733981	4.503237068	22.35	103.86666	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.947908464
272266	AMNH	Niviventer	Niviventer_langbianis	1922	863	13.35733981	4.553876892	18.364722	105.202778	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.947908464

274164	AMNH	Niviventer	Niviventer_langbianis	1922	863	13.35733981	4.682131227	22.77	104.82	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.947908464
321435	USNM	Niviventer	Niviventer_langbianis	1922	863	13.35733981	4.292424556	17.766667	105.783333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.947908464
275715	AMNH	Niviventer	Niviventer_langbianis	1922	863	13.35733981	4.248495242	21.714166667	106.363333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.947908464
564482	USNM	Niviventer	Niviventer_langbianis	1922	863	13.35733981	4.226805044	37.25	96.866666667	Palearctic	Deserts and Xeric Shrublands	4.947908464
533404	USNM	Niviventer	Niviventer_langbianis	1922	863	13.35733981	4.127484762	15.17	105.33	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	4.947908464
321488	USNM	Niviventer	Niviventer_langbianis	1922	863	13.35733981	3.913000869	12.05	108.43	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.947908464
272591	AMNH	Niviventer	Niviventer_langbianis	1922	863	13.35733981	4.382026635	18.364722222	105.202027778	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	4.947908464
450445	USNM	Hylomyscus	Hylomyscus_baeri	1965	406	10.89583548	3.258096538	6.38	-3.52	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.959903246
450446	USNM	Hylomyscus	Hylomyscus_baeri	1965	406	10.89583548	3.091042453	6.38	-3.52	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.959903246

413461	USNM	Hylomyscus	Hylomyscus_baeri	1965	406	10.89583548	3.044522438	6.1	-0.85	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.959903246
189378	FMNH	Lophuromys	Lophuromys_medicaudatus	1975	215	9.456385718	3.496507561	-2.21472222	28.78	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.974178757
189379	FMNH	Lophuromys	Lophuromys_medicaudatus	1975	215	9.456385718	3.401197382	-2.21472222	28.78	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.974178757
188944	FMNH	Lophuromys	Lophuromys_medicaudatus	1975	215	9.456385718	3.367295583	-0.12322	29.44608	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.974178757
188943	FMNH	Lophuromys	Lophuromys_medicaudatus	1975	215	9.456385718	3.332204051	-4.59068	29.05353	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.974178757
188945	FMNH	Lophuromys	Lophuromys_medicaudatus	1975	215	9.456385718	3.465735903	-0.12322	29.44608	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.974178757
149160	FMNH	Lophuromys	Lophuromys_rahmi	1964	1046	8.35826341	3.481240089	-2.8666	29.4	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.974178757
149162	FMNH	Lophuromys	Lophuromys_rahmi	1964	1046	8.35826341	3.384390263	-2.8666	29.4	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.974178757
207719	FMNH	Lophuromys	Lophuromys_rahmi	1964	1046	8.35826341	3.526360525	-2.570164	29.075348	Afrotropic	Tropical and Subtropical Moist Broadleaf Forests	4.974178757
188942	FMNH	Lophuromys	Lophuromys_medicaudatus	1975	215	9.456385718	3.433987204	-4.59068	29.05353	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	4.974178757

18938 2	FM NH	Lophur omys	Lophuromys _rahmi	1964	104 6	8.358263 41	3.1883 79932	-2.312 8	28.75 52	Afro trop ic	Tropical and Subtropical Moist Broadleaf Forests	4.9741787 57
18938 3	FM NH	Lophur omys	Lophuromys _rahmi	1964	104 6	8.358263 41	3.1432 46999	-2.278 4	28.77 18	Afro trop ic	Tropical and Subtropical Moist Broadleaf Forests	4.9741787 57
14916 3	FM NH	Lophur omys	Lophuromys _rahmi	1964	104 6	8.358263 41	3.3322 0451	-2.866 6	29.4	Afro trop ic	Tropical and Subtropical Moist Broadleaf Forests	4.9741787 57
14855 6	FM NH	Lophur omys	Lophuromys _rahmi	1964	104 6	8.358263 41	3.7612 00116	-3.216 6666 67	29.55 8333 33	Afro trop ic	Tropical and Subtropical Moist Broadleaf Forests	4.9741787 57
18938 7	FM NH	Lophur omys	Lophuromys _rahmi	1964	104 6	8.358263 41	3.3322 0451	-2.256 3888 89	28.76 3055 56	Afro trop ic	Tropical and Subtropical Moist Broadleaf Forests	4.9741787 57
15600 7	FM NH	Lophur omys	Lophuromys _rahmi	1964	104 6	8.358263 41	3.2771 44733	-3.919 7222 22	29.58 3611 11	Afro trop ic	Tropical and Subtropical Moist Broadleaf Forests	4.9741787 57
32463	FM NH	Hapalo mys	Hapalomys_ delacouri	1927	991	12.86904 51	4.1078 98835	21.68 333	102.1	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	5.0072963 93
27968	TT U	Rattus	Rattus_tiom anicus	1900	316	14.21771 163	3.8066 6249	-6.118 1931	106.7 9924 01	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	5.0121008 86
27852	TT U	Rattus	Rattus_tiom anicus	1900	316	14.21771 163	4.7004 80366	-6.118 1931	106.7 9924 01	Indo - Mal ay	Tropical and Subtropical Moist Broadleaf Forests	5.0121008 86

27969	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	3.713572067	-6.1181931	106.799240 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27853	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	3.367295 83	-6.1181931	106.799240 1	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27320	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	4.875197323	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27973	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	4.682131227	-7.4890361	110.357002 3	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27861	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	4.406719247	-7.4903798	110.451957 7	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27862	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	4.584967479	-7.4903798	110.451957 7	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27974	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	3.850147602	-7.4903798	110.451957 7	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27846	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	4.691347882	-7.4923353	110.484695 4	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886

27847	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	4.060443011	-7.4923353	110.484695	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27972	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	4.043051268	-7.4963155	110.353363	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27975	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	3.871201011	-7.5081539	110.432601 9	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27971	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	4.234106505	-7.5111938	110.343772 9	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27970	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	4.584967479	-7.532691	110.581031 8	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27856	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	4.727387819	-7.532691	110.581031 8	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27855	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	4.510859507	-7.532691	110.581031 8	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886
27857	TTU	Rattus	Rattus_tiomanicus	1900	316	14.2177163	3.988984047	-7.532691	110.581031 8	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.012100886

101142	AMNH	Bunomys	Bunomys_coelestis	1896	991	4.89393142	4.802784602	-5.333333333	119.9166667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	5.021113538
101146	AMNH	Bunomys	Bunomys_coelestis	1896	991	4.89393142	4.801875295	-5.333333333	119.9166667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	5.021113538
101145	AMNH	Bunomys	Bunomys_coelestis	1896	991	4.89393142	4.784954182	-5.333333333	119.9166667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	5.021113538
101145	AMNH	Bunomys	Bunomys_coelestis	1896	991	4.89393142	4.776535798	-5.333333333	119.9166667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	5.021113538
101143	AMNH	Bunomys	Bunomys_coelestis	1896	991	4.89393142	4.741233775	-5.333333333	119.9166667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	5.021113538
101152	AMNH	Bunomys	Bunomys_coelestis	1896	991	4.89393142	4.736744725	-5.333333333	119.9166667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	5.021113538
101144	AMNH	Bunomys	Bunomys_coelestis	1896	991	4.89393142	4.726126467	-5.333333333	119.9166667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	5.021113538
101149	AMNH	Bunomys	Bunomys_coelestis	1896	991	4.89393142	4.721440612	-5.333333333	119.9166667	Australasia	Tropical and Subtropical Moist Broadleaf Forests	5.021113538

101154	AMNH	Bunomys	Bunomys_coelestis	1896	991	4.893930142	4.716746262	-5.333333333	119.916666767	Australasia	Tropical and Subtropical Moist Broadleaf Forests	5.021113538
101155	AMNH	Bunomys	Bunomys_coelestis	1896	991	4.893930142	4.653529388	-5.333333333	119.916666767	Australasia	Tropical and Subtropical Moist Broadleaf Forests	5.021113538
101150	AMNH	Bunomys	Bunomys_coelestis	1896	991	4.893930142	4.646603524	-5.333333333	119.916666767	Australasia	Tropical and Subtropical Moist Broadleaf Forests	5.021113538
413647	USNM	Millardia	Millardia_gleadowi	1885	705	12.18073332	3.314286264	30.366666667	68.455430783	Palearctic	Deserts and Xeric Shrublands	5.044585733
354414	USNM	Millardia	Millardia_gleadowi	1885	705	12.18073332	3.251620887	30.466666767	70.735543008	Indo-Malay	Deserts and Xeric Shrublands	5.044585733
369523	USNM	Millardia	Millardia_gleadowi	1885	705	12.18073332	3.119135645	25.540976334	67.0822	Palearctic	Deserts and Xeric Shrublands	5.044585733
82946	FMNH	Millardia	Millardia_gleadowi	1885	705	12.18073332	3.107929056	22.3039	70.8022	Indo-Malay	Deserts and Xeric Shrublands	5.044585733
108252	TTU	Nivisenter	Niviventer_cremoriventer	1900	316	14.03735027	4.109233175	6.2004167	116.752083	Indo-Malay	Montane Grasslands and Shrublands	5.065439086
UAZ09361	UAZ	Nivisenter	Niviventer_cremoriventer	1900	316	14.03735027	4.248495242	3.234812	101.629802	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.065439086

89033	TTU	Niviventer	Niviventer_cremoriventer	1900	316	14.03735027	4.682131227	1.61175	110.1958889	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.065439086
82945	FMNH	Millardia	Millardia_kathleenae	1914	991	10.32065173	4.363502549	17.55	96.81666667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.07398561
82944	FMNH	Millardia	Millardia_kathleenae	1914	991	10.32065173	4.292930275	17.55	96.81666667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.07398561
87582	FMNH	Rattus	Rattus_mindorensis	1898	991	8.520392317	4.782789669	13.2833	121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.083451957
87589	FMNH	Rattus	Rattus_mindorensis	1898	991	8.520392317	4.705101702	13.2833	121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.083451957
142621	FMNH	Rattus	Rattus_mindorensis	1898	991	8.520392317	4.687708632	13.2833	121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.083451957
87576	FMNH	Rattus	Rattus_mindorensis	1898	991	8.520392317	4.613558604	13.2833	121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.083451957
202403	FMNH	Rattus	Rattus_mindorensis	1898	991	8.520392317	4.582331916	13.2833	121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.083451957
87577	FMNH	Rattus	Rattus_mindorensis	1898	991	8.520392317	4.515655331	13.2833	121	Indo-	Tropical and Subtropical Moist Broadleaf Forests	5.083451957

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142620	FMNH	Rattus	Rattus_mindorensis	1898	991	8.520392317	4.494863238	13.2833	121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.083451957
87592	FMNH	Rattus	Rattus_mindorensis	1898	991	8.520392317	4.27526905	13.2833	121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.083451957
87583	FMNH	Rattus	Rattus_mindorensis	1898	991	8.520392317	4.24595701	13.2833	121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.083451957
87579	FMNH	Rattus	Rattus_mindorensis	1898	991	8.520392317	4.214404582	13.2833	121	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.083451957
147106	FMNH	Crunomys	Crunomys_melanius	1907	991	10.44560345	4.060443011	8.17	124.75	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.140141932
167889	FMNH	Crunomys	Crunomys_melanius	1907	991	10.44560345	3.422794548	9.15	124.72	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.140141932
37694	FMNH	Niviventer	Niviventer_andersoni	1911	991	12.15166276	5.375843541	30.416666667	102.833333	Palearctic	Temperate Conifer Forests	5.193012405
37690	FMNH	Niviventer	Niviventer_andersoni	1911	991	12.15166276	4.997566501	30.416666667	102.833333	Palearctic	Temperate Conifer Forests	5.193012405

37700	FMNH	Niviventer	Niviventer_andersoni	1911	991	12.1516627	4.984171805	30.41666667	102.8333333	Palearctic	Temperate Conifer Forests	5.193012405
37701	FMNH	Niviventer	Niviventer_andersoni	1911	991	12.1516627	4.937543734	30.38333333	102.8333333	Palearctic	Temperate Conifer Forests	5.193012405
37697	FMNH	Niviventer	Niviventer_andersoni	1911	991	12.1516627	4.921949139	30.41666667	102.8333333	Palearctic	Temperate Conifer Forests	5.193012405
37691	FMNH	Niviventer	Niviventer_andersoni	1911	991	12.1516627	4.909359452	30.41666667	102.8333333	Palearctic	Temperate Conifer Forests	5.193012405
37693	FMNH	Niviventer	Niviventer_andersoni	1911	991	12.1516627	4.894874724	30.41666667	102.8333333	Palearctic	Temperate Conifer Forests	5.193012405
29463	FMNH	Niviventer	Niviventer_andersoni	1911	991	12.1516627	4.866874887	33.8805	107.38333	Palearctic	Temperate Broadleaf and Mixed Forests	5.193012405
37692	FMNH	Niviventer	Niviventer_andersoni	1911	991	12.1516627	4.790274578	30.41666667	102.8333333	Palearctic	Temperate Conifer Forests	5.193012405
37689	FMNH	Niviventer	Niviventer_andersoni	1911	991	12.1516627	4.720246494	30.38333333	102.8333333	Palearctic	Temperate Conifer Forests	5.193012405
36410	FMNH	Apodemus	Apodemus_chevrieri	1868	678	13.4875296	3.529901755	30.25	102.25	Palearctic	Temperate Conifer Forests	5.211451434
36382	FMNH	Apodemus	Apodemus_chevrieri	1868	678	13.4875296	3.511526997	30.33333333	102.5	Palearctic	Montane Grasslands and Shrublands	5.211451434
28961	FMNH	Apodemus	Apodemus_chevrieri	1868	678	13.4875296	3.357349933	27.2569	100.084	Palearctic	Temperate Conifer Forests	5.211451434

44978	FMNH	Apodemus	Apodemus_chevrieri	1868	678	13.4875296	3.158011911	29.666666667	103.0833333	Palearctic	Temperate Conifer Forests	5.211451434
33173	FMNH	Apodemus	Apodemus_chevrieri	1868	678	13.4875296	2.65146195	27.05	100.2	Palearctic	Temperate Conifer Forests	5.211451434
33162	FMNH	Apodemus	Apodemus_chevrieri	1868	678	13.4875296	2.65146195	27.05	100.2	Palearctic	Temperate Conifer Forests	5.211451434
78038	FMNH	Gerbillus	Gerbillus_famulus	1895	1114	10.86961457	3.489086279	14.766666	44.35	Afrotropic	Deserts and Xeric Shrublands	5.22353994
78039	FMNH	Gerbillus	Gerbillus_famulus	1895	1114	10.86961457	3.465228 11	13.583333 3	44.033333 3	Afrotropic	Deserts and Xeric Shrublands	5.22353994
78034	FMNH	Gerbillus	Gerbillus_famulus	1895	1114	10.86961457	3.413360072	14.766666 6	44.35	Afrotropic	Deserts and Xeric Shrublands	5.22353994
78035	FMNH	Gerbillus	Gerbillus_famulus	1895	1114	10.86961457	3.401768933	14.766666 6	44.35	Afrotropic	Deserts and Xeric Shrublands	5.22353994
78031	FMNH	Gerbillus	Gerbillus_famulus	1895	1114	10.86961457	3.093648721	13.6	44.116666 6	Afrotropic	Deserts and Xeric Shrublands	5.22353994
533708	USNM	Rattus	Rattus_andamanensis	1860	91	14.37257066	5.342334252	14.35	100.25	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.281628885
533731	USNM	Rattus	Rattus_andamanensis	1860	91	14.37257066	5.175362984	14.433333 3	101.366666 67	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	5.281628885
533436	USNM	Rattus	Rattus_andamanensis	1860	91	14.37257066	4.955827058	22.3964	114.1095	Indo-	Tropical and Subtropical Moist Broadleaf Forests	5.281628885

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111852	USNM	Rattus	Rattus_andamanensis	1860	91	14.37257066	4.865664767	12.15	98.06	NA	NA	5.281628885
584434	USNM	Rattus	Rattus_andamanensis	1860	91	14.37257066	4.663439094	22.0675	96.563611	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.281628885
321249	USNM	Rattus	Rattus_andamanensis	1860	91	14.37257066	4.840937521	11.53	107.83593	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.281628885
355498	USNM	Rattus	Rattus_andamanensis	1860	91	14.37257066	4.745715074	19.38	103.2	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.281628885
321566	USNM	Rattus	Rattus_andamanensis	1860	91	14.37257066	4.665667022	11.266666667	104.083333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.281628885
564485	USNM	Rattus	Rattus_andamanensis	1860	91	14.37257066	4.454347296	27.2	96.9	Indo-Malay	Temperate Broadleaf and Mixed Forests	5.281628885
584453	USNM	Rattus	Rattus_andamanensis	1860	91	14.37257066	4.394449155	21.988333333	96.4725	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.281628885
224938	FMNH	Pelomys	Pelomys_hopkinsi	1955	399	9.655650175	4.269699745	-0.917144	31.599436	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	5.325932534
224743	FMNH	Pelomys	Pelomys_hopkinsi	1955	399	9.655650175	4.174398727	-0.917144	31.599436	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	5.325932534

224741	FMNH	Pelomys	Pelomys_hopkinsi	1955	399	9.655650175	3.931825633	-0.917144	31.599436	Afrotropic	Tropical and Subtropical Grasslands, Savannas and Shrublands	5.325932534
27489	TTU	Rattus	Rattus_argentiventer	1916	863	14.59650433	4.663439094	-6.1317511	107.047699	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.428906936
27491	TTU	Rattus	Rattus_argentiventer	1916	863	14.59650433	4.317488114	-7.4672084	110.349723 8	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.428906936
27490	TTU	Rattus	Rattus_argentiventer	1916	863	14.59650433	3.988984047	-7.5111938	110.343772 9	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.428906936
148174	FMNH	Limnomys	Limnomys_sibuanus	1905	660	7.600884941	3.951243719	8.175	124.85	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.497127241
147947	FMNH	Limnomys	Limnomys_sibuanus	1905	660	7.600884941	4.094344562	8.175	124.85	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.497127241
148175	FMNH	Limnomys	Limnomys_sibuanus	1905	660	7.600884941	3.850147602	8.158333333	124.85	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.497127241
147950	FMNH	Limnomys	Limnomys_sibuanus	1905	660	7.600884941	3.663561646	8.158333333	124.85	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.497127241
87595	FMNH	Tarsomys	Tarsomys_apoensis	1905	660	8.398474025	4.714609647	8.2167	123.6334	Indo-	Tropical and Subtropical Moist Broadleaf Forests	5.504274066

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144616	USNM	Tarsomys	Tarsomys_apoensis	1905	660	8.398474025	4.498495326	13.78	123.63	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.504274066
144619	USNM	Tarsomys	Tarsomys_apoensis	1905	660	8.398474025	4.451443143	13.2694	121.9922	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.504274066
92802	FMNH	Tarsomys	Tarsomys_apoensis	1905	660	8.398474025	4.427514684	8.1	124.9	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.504274066
87594	FMNH	Tarsomys	Tarsomys_apoensis	1905	660	8.398474025	4.392998799	8.2167	123.6334	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.504274066
148176	FMNH	Tarsomys	Tarsomys_apoensis	1905	660	8.398474025	4.343805422	8.158333333	124.85	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.504274066
148177	FMNH	Tarsomys	Tarsomys_apoensis	1905	660	8.398474025	4.110873864	8.158333333	124.85	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.504274066
144617	USNM	Tarsomys	Tarsomys_apoensis	1905	660	8.398474025	3.644961045	13.78	123.63	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.504274066
488797	USNM	Pithecheir	Pithecheir_parvus	1916	537	11.53094844	4.984975547	3.533333333	101.716667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.580861261

488818	USNM	Pithecheir	Pithecheir_parvus	1916	537	11.5309484	4.663439094	3.166666667	101.5166667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.580861261
488807	USNM	Pithecheir	Pithecheir_parvus	1916	537	11.5309484	4.852030264	3.383333333	101.3833333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.580861261
488803	USNM	Pithecheir	Pithecheir_parvus	1916	537	11.5309484	4.844187086	3.141666667	101.4666667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.580861261
488805	USNM	Pithecheir	Pithecheir_parvus	1916	537	11.5309484	4.672828834	3.166666667	101.5166667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.580861261
488814	USNM	Pithecheir	Pithecheir_parvus	1916	537	11.5309484	4.795790546	2.983333333	102.2833333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.580861261
488813	USNM	Pithecheir	Pithecheir_parvus	1916	537	11.5309484	4.658710953	2.983333333	102.2833333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.580861261
488819	USNM	Pithecheir	Pithecheir_parvus	1916	537	11.5309484	4.158883083	3.166666667	101.5166667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.580861261
488796	USNM	Pithecheir	Pithecheir_parvus	1916	537	11.5309484	4.051784948	3.166666667	101.5166667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.580861261

488815	USNM	Pithecheir	Pithecheir_parvus	1916	537	11.53094844	3.555348061	2.983333333	102.2833333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.580861261
84970	FMNH	Vandeleuria	Vandeleuria_oleracea	1832	81	15.14755713	2.246058137	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.589007411
84977	FMNH	Vandeleuria	Vandeleuria_oleracea	1832	81	15.14755713	2.164877324	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.589007411
84971	FMNH	Vandeleuria	Vandeleuria_oleracea	1832	81	15.14755713	2.061619209	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.589007411
82935	FMNH	Vandeleuria	Vandeleuria_oleracea	1832	81	15.14755713	1.938660061	27.06667	88.43333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.589007411
76417	FMNH	Vandeleuria	Vandeleuria_oleracea	1832	81	15.14755713	1.894512876	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.589007411
84974	FMNH	Vandeleuria	Vandeleuria_oleracea	1832	81	15.14755713	1.853955645	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.589007411
76401	FMNH	Vandeleuria	Vandeleuria_oleracea	1832	81	15.14755713	1.763206838	25.3	94.05	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.589007411
82934	FMNH	Vandeleuria	Vandeleuria_oleracea	1832	81	15.14755713	1.758212431	27.06667	88.43333	Indo-	Tropical and Subtropical Moist Broadleaf Forests	5.589007411

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84975	FMNH	Vandeleuria	Vandeleuria_oleracea	1832	81	15.14755713	1.59743178	25.46667	91.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.589007411
76424	FMNH	Vandeleuria	Vandeleuria_oleracea	1832	81	15.14755713	1.31095363	25.3	91.7	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.589007411
82993	FMNH	Cremnomys	Cremnomys_cutchicus	1912	1108	13.18836046	4.104946851	15.31667	76.46667	Indo-Malay	Deserts and Xeric Shrublands	5.642297066
35295	FMNH	Cremnomys	Cremnomys_cutchicus	1912	1108	13.18836046	3.970868713	15.31667	76.46667	Indo-Malay	Deserts and Xeric Shrublands	5.642297066
82992	FMNH	Cremnomys	Cremnomys_cutchicus	1912	1108	13.18836046	4.037756311	24.6	72.7	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	5.642297066
82989	FMNH	Cremnomys	Cremnomys_cutchicus	1912	1108	13.18836046	3.904224918	22.48333333	74.15	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	5.642297066
82994	FMNH	Cremnomys	Cremnomys_cutchicus	1912	1108	13.18836046	3.826722827	15.31667	76.46667	Indo-Malay	Deserts and Xeric Shrublands	5.642297066
82990	FMNH	Cremnomys	Cremnomys_cutchicus	1912	1108	13.18836046	3.904224918	22.48333333	74.15	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	5.642297066

82987	FMNH	Cremnomys	Cremnomys_cutchicus	1912	1108	13.18836046	3.34460913	22.116666667	76.9	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	5.642297066
533852	USNM	Mus	Mus_terricolor	1851	91	14.87679615	2.949688335	31.431	73.0695	Indo-Malay	Deserts and Xeric Shrublands	5.648939026
533853	USNM	Mus	Mus_terricolor	1851	91	14.87679615	2.533696814	31.431	73.0695	Indo-Malay	Deserts and Xeric Shrublands	5.648939026
533851	USNM	Mus	Mus_terricolor	1851	91	14.87679615	2.322388772	24.8318	79.9199	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.648939026
533850	USNM	Mus	Mus_terricolor	1851	91	14.87679615	2.4765384	24.8318	79.9199	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.648939026
369251	USNM	Mus	Mus_terricolor	1851	91	14.87679615	1.364248136	29.398394335	72.670844081	Indo-Malay	Deserts and Xeric Shrublands	5.648939026
413673	USNM	Mus	Mus_terricolor	1851	91	14.87679615	0.838932724	31.498	74.336	Indo-Malay	Deserts and Xeric Shrublands	5.648939026
413673	USNM	Mus	Mus_terricolor	1851	91	14.87679615	0.754765508	31.498	74.336	Indo-Malay	Deserts and Xeric Shrublands	5.648939026

290133	USNM	Mus	Mus_terricolor	1851	91	14.87679615	0.7490 5431	26.467	87.283	Indo-Malay	Tropical and Subtropical Grasslands, Savannas and Shrublands	5.648939026
290130	USNM	Mus	Mus_terricolor	1851	91	14.87679615	-1.2867 77871	28.5833	81.0167	Indo-Malay	Tropical and Subtropical Grasslands, Savannas and Shrublands	5.648939026
29465	FMNH	Niviventer	Niviventer_confucianus	1871	678	15.19429334	4.4652 3832	34.6028	103.367	Palearctic	Temperate Conifer Forests	5.698066168
32862	FMNH	Niviventer	Niviventer_confucianus	1871	678	15.19429334	4.4508 62386	36.466667	111.43333	Palearctic	Temperate Broadleaf and Mixed Forests	5.698066168
39251	FMNH	Niviventer	Niviventer_confucianus	1871	678	15.19429334	4.3287 69932	22.35	103.86666	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.698066168
32843	FMNH	Niviventer	Niviventer_confucianus	1871	678	15.19429334	4.3217 8391	40.2	117.58333	Palearctic	Temperate Broadleaf and Mixed Forests	5.698066168
45545	FMNH	Niviventer	Niviventer_confucianus	1871	678	15.19429334	4.1743 71082	30.416667	102.6	Palearctic	Temperate Conifer Forests	5.698066168
49279	FMNH	Niviventer	Niviventer_confucianus	1871	678	15.19429334	4.1491 65496	18.583333	98.483333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.698066168
49257	FMNH	Niviventer	Niviventer_confucianus	1871	678	15.19429334	3.8800 68727	18.583333	98.483333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.698066168
533483	USNM	Leopoldamys	Leopoldamys_neilli	1976	480	7.669364392	5.0369 52602	14.62	101.13	Indo-	Tropical and Subtropical Dry Broadleaf Forests	5.716007444

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533480	USNM	Leopoldamys	Leopoldamys_neilli	1976	480	7.669364392	5.386786015	14.62	101.13	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	5.716007444
533481	USNM	Leopoldamys	Leopoldamys_neilli	1976	480	7.669364392	5.391352233	14.62	101.13	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	5.716007444
533482	USNM	Leopoldamys	Leopoldamys_neilli	1976	480	7.669364392	5.298317367	14.62	101.13	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	5.716007444
48818	FMNH	Apodemus	Apodemus_argenteus	1844	988	12.81183044	2.964833112	32.72889	132.55333	NA	NA	5.744444456
47015	FMNH	Apodemus	Apodemus_argenteus	1844	988	12.81183044	2.995732274	37.09139	140.00833	Palearctic	Temperate Broadleaf and Mixed Forests	5.744444456
47014	FMNH	Apodemus	Apodemus_argenteus	1844	988	12.81183044	2.995732274	37.09139	140.00833	Palearctic	Temperate Broadleaf and Mixed Forests	5.744444456
28948	FMNH	Apodemus	Apodemus_argenteus	1844	988	12.81183044	2.745994702	36.89139	138.1775	Palearctic	Temperate Conifer Forests	5.744444456
29943	USNM	Apodemus	Apodemus_argenteus	1844	988	12.81183044	2.635951887	35	138	Palearctic	Temperate Broadleaf and Mixed Forests	5.744444456
29944	USNM	Apodemus	Apodemus_argenteus	1844	988	12.81183044	2.616998042	35	138	Palearctic	Temperate Broadleaf and Mixed Forests	5.744444456
28949	FMNH	Apodemus	Apodemus_argenteus	1844	988	12.81183044	2.464501721	35.966666666	138.366666	Palearctic	Temperate Conifer Forests	5.744444456

44378	FMNH	Apodemus	Apodemus_argenteus	1844	988	12.81183044	2.435869694	34.666666	135.2	NA	NA	5.744444456
48816	FMNH	Apodemus	Apodemus_argenteus	1844	988	12.81183044	2.433785785	32.72889	132.55333	NA	NA	5.744444456
44377	FMNH	Apodemus	Apodemus_argenteus	1844	988	12.81183044	2.415168194	34.666666	135.2	NA	NA	5.744444456
290121	USNM	Mus	Mus_saxicola	1839	248	13.95151376	3.326081252	27.6	86.183333	Indo-Malay	Temperate Broadleaf and Mixed Forests	5.779384568
290122	USNM	Mus	Mus_saxicola	1839	248	13.95151376	3.152188389	27.6	86.183333	Indo-Malay	Temperate Broadleaf and Mixed Forests	5.779384568
83016	FMNH	Mus	Mus_saxicola	1839	248	13.95151376	3.075866297	10.6614	77.8692	Indo-Malay	Tropical and Subtropical Dry Broadleaf Forests	5.779384568
83014	FMNH	Mus	Mus_saxicola	1839	248	13.95151376	2.928002188	17.4536	73.6201	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.779384568
99520	FMNH	Mus	Mus_mayori	1915	991	7.023359118	3.834738651	7.3	80.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.815294034
83026	FMNH	Mus	Mus_mayori	1915	991	7.023359118	3.665806969	6.85	80.83333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.815294034
99518	FMNH	Mus	Mus_mayori	1915	991	7.023359118	3.624723286	7.3	80.76667	Indo-	Tropical and Subtropical Moist Broadleaf Forests	5.815294034

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99521	FMNH	Mus	Mus_mayori	1915	991	7.02335911 8	3.6184783 05	7.3	80.76667	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.815294034
83025	FMNH	Mus	Mus_mayori	1915	991	7.02335911 8	3.5062265 23	6.85	80.83333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	5.815294034
33146	FMNH	Apodemus	Apodemus_draco	1900	66	14.4023688 2	3.5677526 82	30.054261	101.96792 5	Palearctic	Temperate Conifer Forests	5.826855199
37449	FMNH	Apodemus	Apodemus_draco	1900	66	14.4023688 2	3.2637979 27	30.416666 67	102.83333 33	Palearctic	Temperate Conifer Forests	5.826855199
40898	FMNH	Apodemus	Apodemus_draco	1900	66	14.4023688 2	3.1851793 9	31	103.61666 67	Palearctic	Temperate Broadleaf and Mixed Forests	5.826855199
45254	FMNH	Apodemus	Apodemus_draco	1900	66	14.4023688 2	3.1342630 5	30.416666 67	102.58333 33	Palearctic	Temperate Conifer Forests	5.826855199
40967	FMNH	Apodemus	Apodemus_draco	1900	66	14.4023688 2	3.1119641 48	28.116667	97.7	Palearctic	Montane Grasslands and Shrublands	5.826855199
33199	FMNH	Apodemus	Apodemus_draco	1900	66	14.4023688 2	3.0569270 58	28.2	100.83333 33	Palearctic	Temperate Conifer Forests	5.826855199
44905	FMNH	Apodemus	Apodemus_draco	1900	66	14.4023688 2	3.0324779 3	31.466666 67	103.66666 67	Palearctic	Temperate Conifer Forests	5.826855199
83006	FMNH	Mus	Mus_phillipsi	1912	1108	12.9367535 8	2.5103523 31	14.252225	78.83986 5	Indo-	Deserts and Xeric Shrublands	5.837205528

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83005	FMNH	Mus	Mus_phillipsi	1912	1108	12.93675358	2.382377759	14.252225	78.839865	Indo-Malay	Deserts and Xeric Shrublands	5.837205528
348530	USNM	Tryphomys	Tryphomys_adustus	1910	316	8.390337207	4.962844463	15.3401	120.689	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	6.359937124
62345	FMNH	Tryphomys	Tryphomys_adustus	1910	316	8.390337207	4.853451806	16.85	120.8666	Indo-Malay	Tropical and Subtropical Coniferous Forests	6.359937124
348531	USNM	Tryphomys	Tryphomys_adustus	1910	316	8.390337207	5.288267031	15.5632	120.3205	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	6.359937124
536765	USNM	Tryphomys	Tryphomys_adustus	1910	316	8.390337207	4.795790546	14.13044	121.21694	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	6.359937124
356645	USNM	Tryphomys	Tryphomys_adustus	1910	316	8.390337207	4.274759639	15.1908	120.564444	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	6.359937124
79616	TTU	Gerbillus	Gerbillus_andersoni	1902	201	11.67526615	3.332204051	35.933799 7	10.586059 6	NA	NA	6.363700291
486004	USNM	Gerbillus	Gerbillus_hesperinus	1936	129	6.585579244	3.637586616	31.52	-9.77	NA	NA	6.366006423
485995	USNM	Gerbillus	Gerbillus_hesperinus	1936	129	6.585579244	3.761200116	31.52	-9.77	NA	NA	6.366006423

540031	USNM	Gerbillus	Gerbillus_hesperinus	1936	129	6.585579244	3.683420979	31.471753 13	-9.766666667	Palearctic	Mediterranean Forests, Woodlands and Scrub	6.366006423
485998	USNM	Gerbillus	Gerbillus_hesperinus	1936	129	6.585579244	3.496507561	31.52	-9.77	NA	NA	6.366006423
485973	USNM	Gerbillus	Gerbillus_hesperinus	1936	129	6.585579244	3.367295 83	31.52	-9.77	NA	NA	6.366006423
485948	USNM	Gerbillus	Gerbillus_hesperinus	1936	129	6.585579244	3.555348061	31.52	-9.77	NA	NA	6.366006423
486003	USNM	Gerbillus	Gerbillus_hesperinus	1936	129	6.585579244	3.465735903	31.52	-9.77	NA	NA	6.366006423
486005	USNM	Gerbillus	Gerbillus_hesperinus	1936	129	6.585579244	3.637586 16	31.52	-9.77	NA	NA	6.366006423
485971	USNM	Gerbillus	Gerbillus_hesperinus	1936	129	6.585579244	3.465735903	31.52	-9.77	NA	NA	6.366006423
485938	USNM	Gerbillus	Gerbillus_hesperinus	1936	129	6.585579244	3.258096538	31.52	-9.77	NA	NA	6.366006423
279138	USNM	Diomys	Diomys_crumpi	1917	991	4.570627657	4.275065298	17.243	96.910698 56	NA	NA	6.393707804
47154	FMNH	Niviventer	Niviventer_lepturus	1879	492	8.932849302	4.642562108	-6.893056	108.406944	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	6.773354938
481597	USNM	Niviventer	Niviventer_lepturus	1879	492	8.932849302	4.074141855	-6.75	107.016666 67	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	6.773354938
257627	USNM	Niviventer	Niviventer_lepturus	1879	492	8.932849302	4.438882351	-6.715556	106.733889	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	6.773354938

481599	USNM	Niviventer	Niviventer_lepturus	1879	492	8.93284930 2	4.194189897	-6.766666667	106.95	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	6.773354938
535975	USNM	Niviventer	Niviventer_lepturus	1879	492	8.93284930 2	4.317488114	-6.8	106.95	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	6.773354938
47155	FMNH	Niviventer	Niviventer_lepturus	1879	492	8.93284930 2	4.373112918	-6.893056	108.406944	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	6.773354938
535968	USNM	Niviventer	Niviventer_lepturus	1879	492	8.93284930 2	4.094344562	-6.8	106.95	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	6.773354938
47153	FMNH	Niviventer	Niviventer_lepturus	1879	492	8.93284930 2	4.316180676	-7.4359	106.7932	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	6.773354938
521917	USNM	Niviventer	Niviventer_lepturus	1879	492	8.93284930 2	3.835141961	-6.75	106.983333	Indo-Malay	Tropical and Subtropical Moist Broadleaf Forests	6.773354938

Table S2: Completeness of data for all specimens investigated

	Specimens
Specimens	3355
Species	250
Adult Body Mass (kg)	3344
Litter Size	2062
Geographic Range Area (km^2)	3284
Mean Human Population Density (n/km2)	2560
Latitude	3355
Longitude	3355
Biome	3201
Realm	3201

One advantage to using GBMs is that the machine learning process accounts for the relationship between all variables, rather than just between the predictor and response variables. Although the GBM method is robust to correlations among predictor variables, we wanted to know how correlated each variable was to the others. To determine the correlation between the variables, we created a series of models with a different predictor variable as the response variable in each (Table S3).

Table S3: Generalized boosted regression models for all predictor variables.

	All Specimens	Genus	Geographic Range Area (km^2)	Litter Size	Mean Human Population Density (n/km2)	Longitude	Latitude	Realm	Biome	Adult Body Mass (kg)
Genus	19.566	99.997	0.504	0.000	0.056	0.001	0.000	0.000	0.000	0.018
Geographic Range Area (km^2)	38.949	0.000	99.490	0.888	0.000	0.001	0.000	0.000	0.000	0.002
Litter Size	7.011	0.000	0.005	98.787	0.000	0.001	0.000	0.000	0.000	0.005
Mean Human Population Density (n/km2)	9.423	0.003	0.000	0.323	99.941	0.000	0.000	0.000	0.000	0.017
Longitude	2.913	0.000	0.000	0.000	0.000	99.987	0.001	1.833	0.000	0.012
Latitude	12.469	0.000	0.000	0.000	0.002	0.001	99.775	0.000	0.022	0.002
Realm	5.831	0.000	0.000	0.000	0.000	0.005	0.000	98.167	0.000	0.006
Biome	2.872	0.000	0.001	0.000	0.000	0.001	0.224	0.000	99.977	0.010
Adult Body Mass (kg)	0.967	0.000	0.000	0.001	0.000	0.003	0.000	0.000	0.000	99.927
R^2	0.944	NA	1.000	1.000	0.999	1.000	0.999	NA	NA	0.996

Models that incorporate the top 15 phylogenetic eigenvectors had a higher psuedo-R^2 value than models using taxonomy alone (i.e. genus) (Table S1). Despite this, the difference in psuedo-R^2 values is overshadowed by the importance scores of the traits: genus had an extremely large importance value (20%), whereas no single eigenvector had an importance score greater than 2%. In this case, a single value which represents phylogenetic distance is seemingly more informative than many values which together represent much of the same information. It is also possible that the genus to which species are assigned captures important ecological differences among species that is not directly captured by phylogenetic eigenvectors.

Table S4: The influence of variables on description date for three different models, each using a different combination of phylogenetic informers. PV stands for phylogenetic eigenvector.

	Using Genus	Using PVs
Genus	19.57	-
Mean Human Population Density (n/km2)	9.42	6.65
Geographic Range Area (km^2)	38.95	30.44
Litter Size	7.01	6.49
Longitude	2.91	4.44
Latitude	12.47	11.51
Biome	2.87	2.87
Adult Body Mass (kg)	0.97	2.69
Realm	5.83	5.17
PV1	-	2.82
PV2	-	0.86
PV3	-	2.32
PV4	-	1.92
PV5	-	1.27
PV6	-	3.12
PV7	-	1.69
PV8	-	1.79
PV9	-	1.5
PV10	-	2.26
PV11	-	1.01
PV12	-	3.6
PV13	-	1.8
PV14	-	1.43
PV15	-	2.33
R^2	0.94	0.96