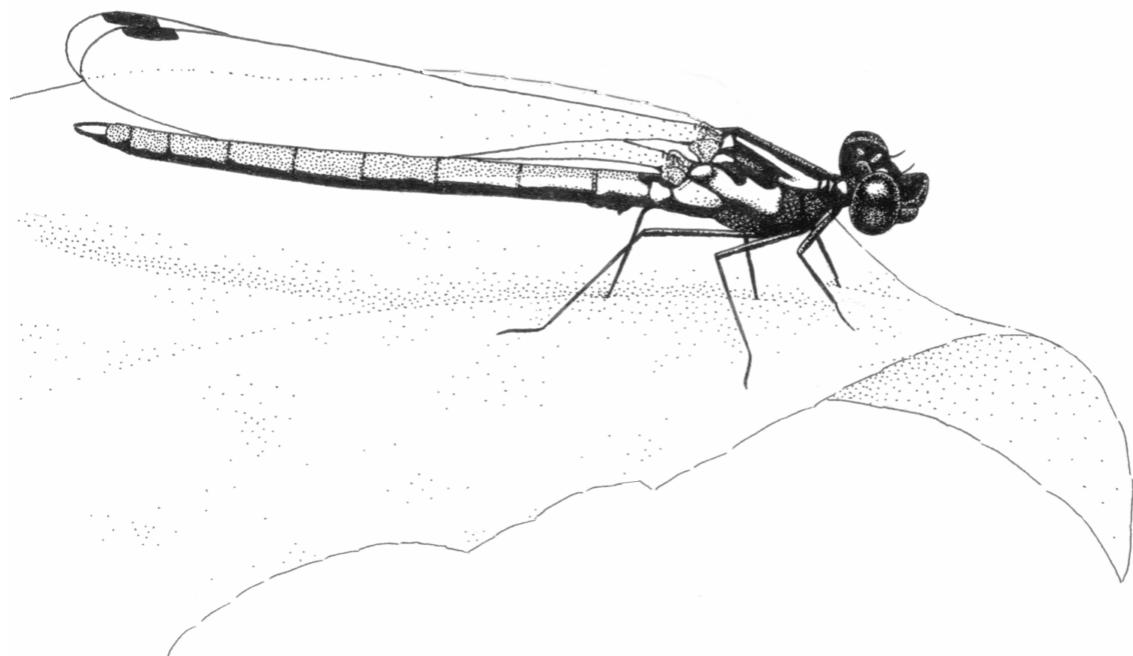


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Front cover: Chlorocypha tenuis, a species of damselfly found in Kakamega Forest. Drawing by K.-D. B. Dijkstra.



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A CHECKLIST OF THE MAMMALS OF RWANDA

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ABSTRACT

Despite its small geographical size and its tumultuous recent political history, Rwanda is home to a diverse mammal fauna. Having reviewed 53 published books and papers, including the six volumes of *Mammals of Africa*, I have developed a simple checklist of all mammals recorded within Parc National des Volcans, Akagera National Park, Nyungwe National Park, and along the eastern shore of Lake Kivu. With a few exceptions, almost all of Rwanda's mammal species are represented in these four areas. A total of 205 species were identified within these four areas, though the presence of some species may be in doubt, some may become locally extirpated, and a few additional species may be found with more ground surveys.

Keywords: ungulate, rodent, bat, carnivore, shrew, primate

INTRODUCTION

The Republic of Rwanda (26 388 km²; figure 1) is a small eastern African nation that lies just south of the equator, bordered by the Democratic Republic of Congo, Uganda, Tanzania and Burundi. As a mountainous country, the lowest altitude is 950 metres above sea level (Rusizi River), whereas the highest is at 4507 metres above sea level (Mount Karisimbi). In the past, much of Rwanda would have been covered in montane and Afromontane forest, wooded savanna, plains and swamps. A rapidly growing human population, however, has created great pressure on Rwanda's natural resources, leading to large areas of indigenous vegetation being cleared for agriculture, commercial forestry, and settlements (USAID, 2016). Other than the three large protected areas, Parc National des Volcans (160 km²), Nyungwe National Park (1019 km²), and Akagera National Park (1120 km²), remnants of the original forest and woodlands are confined to tiny forest reserves and parks, with almost no indigenous vegetation elsewhere. Rwanda's protected areas cover approximately 9% (2389 km²) of the total land area (CBD, 2014; Dubois *et al.*, 2018).

Rwanda receives an average of 950 mm of rain per year spread out over two main rainy seasons, from March to May, and from October to December. Average temperatures range between 12–32°C depending on season and altitude, whereas the temperature on top of the highest peaks can drop below freezing (Rwanda Meteorology Agency, 2021).

Rwanda's fertile soils and high rainfall, combined with the fact that much of its western forests would have, until the mid-20th century, been connected with the great Guineo-Congolian rainforest, have resulted in high biodiversity in a relatively small area. Rwanda is home to around 2150 species of plants (CBD, 2014), approximately 56 of which are endemic (REMA, 2021). According to *Clements Checklist of the Birds of the World* (Clements *et al.*, 2019), Rwanda is home to 705 bird species, an impressive number for such a small country, although none of them is endemic.

Checklists of even the large, conspicuous mammals are hard to find for Rwanda, with a few non-exhaustive biodiversity surveys of the Virunga Volcanoes and Nyungwe Forests making up the bulk of the available literature. Several surveys were carried out during the 1950s to the early 1980s, but little since as the civil war brought many scientific endeavours to a halt in the early 1990s. Since those surveys and checklists were first published, much of the taxonomy has changed, and an updated checklist of Rwanda's mammals is needed. Thus, this checklist is an attempt to fill that gap in the interim until more studies can be conducted on the ground, and an exhaustive, annotated list can be developed for the entire country.



Figure 1. The Republic of Rwanda, showing protected and non-protected areas covered by this checklist. Contiguous protected areas in neighbouring countries are also indicated. Adapted from: <https://dopap-explorer.jrc.ec.europa.eu/country/RW>

MATERIALS AND METHODS

This checklist was compiled from a review of the literature, with the six volumes of *Mammals of Africa* (*MoA*) as a starting point (Kingdon *et al.*, 2013), while *Primates of East Africa Pocket Identification Guide* (de Jong & Butynski, 2018) and *Keys to the Bats (Mammalia: Chiroptera) of East Africa* (Patterson & Webala, 2012) were used as the primary sources for their respective taxa. Beyond this, the following references were examined for specific taxa and protected areas: Hutterer *et al.* (1987), Dowsett & Dowsett-Lemaire (1990), Chao (2008), Apio & Wronski (2011), Tuyisingize *et al.* (2013), Owiunji *et al.* (2015), and Van Cakenbergh *et al.* (2017). Personal email communication with Dr. Torsten Wronski, on the 21st of April, 2021, is also cited regarding the presence of select species at Akagera National Park. The taxonomic order of the checklist follows Kingdon (2015) as this is the recommended field reference for field assistants, safari guides, and tourists. Nomenclature follows Kingdon *et al.* (2013) and de Jong & Butynski (2018) for scientific and common/English names, unless more recent publications provide sufficient evidence supporting different nomenclature or taxonomic changes, such as for *Dasymys rwandae*, a recently described species, not included in MoA. Where two subspecies occur within Rwanda, both are listed, as for *Cercopithecus mitis doggetti* and *Cercopithecus mitis kandti*. The checklist was prepared with the protected area names listed across the top, with spaces for the checklist below them.

RESULTS

A total of 205 species of mammal in 129 genera and 43 families are presented in the checklist, each having been confirmed in at least one of the four areas covered. Of these, only two are endemic to Rwanda: Rwandan shaggy rat *Dasymys rwandae*, and Hill's horseshoe bat *Rhinolophus hilli*. One hundred and twenty-six species are found within Parc National des Volcans, 138 around Lake Kivu and the surrounding forests, 138 at Nyungwe National Park, and 105 at Akagera National Park. The most species rich families

are Muridae (21 genera/37 species) and Soricidae (6 genera/22 species). The full checklist is presented in the Appendix.

DISCUSSION

Rwanda's small geographical area belies the diversity of mammal species that it holds, despite its difficult political past and violent civil war (Kanyamibwa, 1998; Plumptre *et al.*, 2001). Rwanda's largely agrarian human population has more than doubled in the last 40 years (National Institute of Statistics of Rwanda, 2021), putting increasing pressure on the ecological condition of the gazetted protected areas. These protected areas are the only areas of Rwanda with any extensive indigenous vegetation and less-disturbed habitats (Dubois *et al.*, 2018). If it were not for adjoining protected areas in neighbouring nations (*e.g.* Kibira National Park in Burundi contiguous with Nyungwe National Park, and Virunga National Park in Democratic Republic of Congo and Mgahinga Gorilla National Park in Uganda forming a contiguous ecosystem with Rwanda's Parc National des Volcans), Rwanda's protected areas would be isolated islands in a sea of intensively cultivated and settled land (figure 1).

While this checklist focuses on Rwanda's three primary protected areas and the eastern shore of Lake Kivu (including Gishwati-Mukura National Park), a relatively small number of species may be so range-restricted as to have been missed by this checklist. Nevertheless, this is a limitation, and further studies focusing on a few additional sites, such as Rugezi Marsh, the Rweru-Mugesera Wetlands complex, Cyamudongo Forest, and the savanna surrounding Akagera, may yield additional, perhaps unexpected, species for Rwanda. The highest diversity of bats in Rwanda has been recorded in caves and isolated woodlands outside protected areas, especially around Musanze, and therefore some of that diversity will not be reflected in this checklist (P. Webala, pers. comm.).

Repeated, focused biodiversity surveys are required both inside and outside of Rwanda's protected areas in order to obtain a clearer picture of the status and trends of the nation's biodiversity, including its mammals. In addition, the taxonomy of many of the rodents, bats, and shrews will certainly continue to be revised with more studies. To the best of the author's knowledge, this is the first attempt to compile a comprehensive list of the mammals of Rwanda's protected areas since 1985 when Nicole Monfort published her book "*Les Mammifères du Rwanda*" in French. Unfortunately, having been published 36 years ago, Monfort's work uses now-outdated taxonomy (affecting entire taxonomic orders), provides little information on many of the small mammal orders, excludes a number of species, and rarely mentions specific locations or protected areas where species can be found. It was, therefore, consulted, but not relied upon for taxonomic or geographic accuracy. Over time, the number of species contained in this checklist will surely change as new surveys are undertaken and taxonomies revised, particularly among small mammals.

One final issue to note is the difficulty with identifying certain species with accuracy. For example, *Hystrix cristata* and *H. africanaustralis* are notoriously difficult to differentiate in the field and in camera-trap images, unless a good view of the rump is presented. Distribution (range) and habitat information for both species overlap across Rwanda. Further, intensive field surveys focused on members of this genus are required to clarify the occurrence of each species in Rwanda. Similar issues arise for many of the rodents and bats, where past surveys list species that are not known to occur anywhere near a particular site. An example of this is *Dendromus mesomelas*, listed in Chao (2008) as occurring in Nyungwe National Park, while more recent publications on rodents of East Africa seem to disagree. In these situations, records from more recent publications are used.

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APPENDIX. CHECKLIST

Species with a confirmed presence in an area are indicated by an 'X'. Those which have either not been reported for several years or the presence of which has never been confirmed but, in the author's opinion, are very likely to occur based on distribution and habitat requirements, are indicated with a '?'. Those extirpated from the area are designated by an 'E', while introduced species are designated by an 'I'. See also 'Abbreviations' at the end of the checklist.

Order, family and species	Common name	IUCN	Vol	Kiv	Nyu	Aka	Specific Citations
Hyracoidea	Hyraxes						
Procaviidae	Hyraxes						
<i>Heterohyrax brucei</i> (Gray, 1868)	Bush hyrax (yellow-spotted hyrax)	LC			?		Verschuren, 1987
<i>Dendrohyrax arboreus</i> (A. Smith, 1827)	Southern tree hyrax	LC	X		X		Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Dendrohyrax dorsalis</i> (Fraser, 1855)	Western tree hyrax	LC		X			Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Chao, 2008
Proboscidea	Elephants						
Elephantidae	Elephants						
<i>Loxodonta africana</i> Blumenbach, 1797	Savanna elephant	EN	X		X		Kingdon <i>et al.</i> , 2013
Afrosoricida	Afrosoricids						
Tenrecidae	Otter-shrews						
<i>Micropotamogale ruwenzorii</i> (de Witte & Frechkop, 1955)	Rwenzori otter-shrew	LC	?	?	X		Kingdon <i>et al.</i> , 2013; Stephenson, 2016; Grant, 2020
Chrysochloridae	Golden-moles						
<i>Chrysochloris stuhlmanni</i> Matschie, 1884	Stuhlmann's golden-mole	LC	?	X	X		Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Chao, 2008; Kingdon, <i>et al.</i> , 2013
Macroscelidea	Sengis or elephant-shrews						
Macroscelidinae	Soft-furred sengis						
<i>Petrodomus tetradactylus</i> Peters, 1846	Four-toed sengi	LC			X		Kingdon <i>et al.</i> , 2013
Tubulidentata	Aardvark						
Orycteropodidae	Aardvark						
<i>Orycteropus afer</i> Pallas, 1766	Aardvark	LC	?	?	X		Verschuren, 1987; Kingdon <i>et al.</i> , 2013
Primates	Primates						
Hominidae	Great apes						
<i>Gorilla beringei</i> Matschie, 1903	Eastern mountain gorilla	CR	X				Kingdon <i>et al.</i> , 2013; de Jong & Butynski, 2018
<i>Pan troglodytes</i> (Blumenbach, 1775)	Eastern robust chimpanzee	EN		X	X		Dowsett <i>et al.</i> , 1990; Chao, 2008; Plumptre <i>et al.</i> , 2010; RDB, 2017; de Jong & Butynski, 2018; Ping, 2021;
Cercopithecidae	Old World monkeys						
<i>Colobus angolensis</i> Slater, 1860	Rwenzori Angola colobus	VU	?	X			Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Chao, 2008; de Jong & Butynski, 2018
<i>Papio anubis</i> (Lesson, 1827)	Olive baboon	LC	X	X	X	X	Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; de Jong & Butynski, 2018
<i>Lophocebus albigena</i> (Gray, 1850)	Johnstone's grey-cheeked mangabey	VU		X	X		Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; de Jong & Butynski 2018
<i>Chlorocebus pygerythrus</i> (F. Cuvier, 1821)	Reddish-green vervet monkey	LC	X	X	X	X	Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Chao, 2008; de Jong & Butynski 2018

Order, family and species	Common name	IUCN	Vol	Kiv	Nyu	Aka	Specific Citations
<i>Allochrocebus lhoesti</i> (Sclater, 1899)	L'Hoest's monkey	VU	X	X			Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; de Jong & Butynski 2018; Ping, 2021
<i>Cercopithecus denti</i> Thomas, 1907	Dent's monkey	LC	X	X			Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; de Jong & Butynski 2018
<i>Cercopithecus hamlyni</i> Pocock, 1907	Owl-faced monkey	VU	X	X			Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; de Jong & Butynski 2018
<i>Cercopithecus mitis doggetti</i> Wolf, 1822	Doggett's silver monkey	LC	X		X	?	Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; de Jong & Butynski 2018; Butynski & de Jong, 2019
<i>Cercopithecus mitis kandti</i> Wolf, 1822	Golden monkey	LC	X	X			Kingdon <i>et al.</i> , 2013; RDB, 2017; de Jong & Butynski 2018
<i>Cercopithecus ascanius</i> (Audebert, 1799)	Schmidt's red-tailed monkey	LC	X	X	X		Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; de Jong & Butynski 2018
Lorisidae	Lorisids						
<i>Perodicticus ibeanus</i> Thomas, 1910	Eastern potto	LC	?		X		Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; de Jong & Butynski, 2018; de Jong <i>et al.</i> , 2019
Galagidae	Galagos or bushbabies						
<i>Galago demidoff</i> G. Fischer, 1808	Demidoff's dwarf galago	LC	X	X	X	?	Kingdon <i>et al.</i> , 2013; de Jong & Butynski 2018; Svensson <i>et al.</i> 2019
<i>Galago thomasi</i> (Elliot, 1907)	Thomas's dwarf galago	LC	X	X	X		Dowsett <i>et al.</i> , 1990; Kingdon <i>et al.</i> , 2013; de Jong & Butynski 2018
<i>Otolemur crassicaudatus</i> (E. Geoffroy, 1812)	Silver galago	LC	?	?	X	X	Dowsett <i>et al.</i> , 1990; Kingdon <i>et al.</i> , 2013; de Jong & Butynski 2018
<i>Galago matschiei</i> Lorenz, 1917	Spectacled lesser galago	LC	?	?	X		Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; de Jong & Butynski 2018
<i>Galago senegalensis</i> E. Geoffroy, 1796	Lesser galago	LC			X		Kingdon <i>et al.</i> , 2013; de Jong & Butynski 2018
Rodentia	Rodents						
Hystricidae	Porcupines						
<i>Atherurus africanus</i> Gray, 1842	Brush-tailed porcupine	LC	?	?	X		Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Hystrix cristata</i> Linnaeus, 1758	North African crested porcupine	LC	?	?	?	?	Kingdon <i>et al.</i> , 2013
<i>Hystrix africaeaustralis</i> Peters, 1852	South African (Cape) crested porcupine	LC	X	?	?	X	Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013; T. Wronski (pers. comm.)
Thryonomyidae	Cane rats						
<i>Thryonomys gregorianus</i> (Thomas, 1894)	Savanna cane rat	LC		?	X	X	Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Thryonomys swinderianus</i> (Temminck, 1827)	Marsh cane rat	LC	?	?		?	Kingdon <i>et al.</i> , 2013
Sciuridae	Squirrels						
<i>Heliosciurus ruwenzori</i> (Schwann, 1904)	Rwenzori sun squirrel	LC	X	X	X		Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013; RDB, 2017; Ping, 2021
<i>Heliosciurus rufobrachium</i> Waterhouse, 1842	Red-legged sun squirrel	LC		?	?		Kingdon <i>et al.</i> , 2013

Order, family and species	Common name	IUCN	Vol	Kiv	Nyu	Aka	Specific Citations
<i>Protoxerus stangeri</i> (Waterhouse, 1842)	African giant squirrel	LC		X			Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Funisciurus carruthersi</i> Thomas, 1906	Carruthers's mountain squirrel	LC	X	X	X		Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013; Ping, 2021
<i>Funisciurus pyrropus</i> (F. Cuvier, 1842)	Fire-footed rope squirrel	LC		?	X		Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Paraxerus alexandri</i> (Thomas & Wroughton, 1907)	Alexander's bush-squirrel	LC			X		Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Paraxerus boehmi</i> (Reichenow, 1886)	Bohm's bush-squirrel	LC	X	X	X		Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Xerus erythropus</i> (E. Geoffroy, 1803)	Striped ground squirrel	LC				X	Kingdon <i>et al.</i> , 2013
Gliridae	Dormice						
<i>Graphiurus microtis</i> (Noack, 1887)	Noack's African dormouse	LC		?		X	Kingdon <i>et al.</i> , 2013
<i>Graphiurus murinus</i> (Desmarest, 1822)	Forest African dormouse	LC	X	?	?		Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
Anomaluridae	Anomalures						
<i>Anomalurus derbianus</i> (Gray, 1842)	Lord Derby's anomalure	LC	?	X	X		Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Anomalurus pusillus</i> Thomas, 1887	Lesser anomalure	LC	?				Kingdon <i>et al.</i> , 2013
<i>Idiurus zenkeri</i> Matschie, 1894	Zenker's flying mouse	LC		?			Kingdon <i>et al.</i> , 2013
Spalacidae	Root-rats						
<i>Tachyoryctes splendens</i> (Rüppell, 1835)	African root-rat	LC	X	X	X		Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
Nesomyidae	Archaic muroids						
<i>Delanymys brooksi</i> Hayman, 1962	Delaney's swamp mouse	VU	X	X	X		Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Cricetomys gambianus</i> Waterhouse, 1840	Gambian giant pouched rat	LC			X		Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Cricetomys emini</i> Wroughton, 1910	Emin's giant pouched rat	LC	X	X			Kingdon <i>et al.</i> , 2013; Ping, 2021
<i>Steatomys parvus</i> Rhoads, 1896	Tiny fat mouse	LC				X	Kingdon <i>et al.</i> , 2013
<i>Dendromus insignis</i> (Thomas, 1903)	Montane African climbing mouse	LC	X	X			Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Dendromus nyasae (kivu)</i> Thomas, 1916	Kivu African climbing mouse	LC		X	X		Chao, 2008; Kingdon <i>et al.</i> , 2013
Family Muridae	Murids						
<i>Deomys ferrugineus</i> Thomas, 1888	Link rat	LC	?		X		Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Lophuromys flavopunctatus</i> Thomas, 1888	Yellow-spotted brush-furred rat	LC	X	X	X		Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Lophuromys medicaudatus</i> Dieterlen, 1975	Medium-tailed brush-furred rat	VU	X	X	X		Plumptre, 2002; Kingdon <i>et al.</i> , 2013
<i>Lophuromys woosnami</i> Thomas, 1906	Woosnam's brush-furred rat	LC	X		X		Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Gerbilliscus boehmi</i> (Noack, 1887)	Boehm's gerbil	LC				X	Kingdon <i>et al.</i> , 2013; GBIF, 2021
<i>Gerbilliscus validus</i> (Bocage, 1890)	Savanna gerbil	LC				X	Kingdon <i>et al.</i> , 2013; GBIF, 2021

Order, family and species	Common name	IUCN	Vol	Kiv	Nyu	Aka	Specific Citations
<i>Rattus rattus</i> (Linnaeus, 1758)	Black rat	LC	?	I	I	?	Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Mus bufo</i> Thomas, 1906	Toad pygmy mouse/Rwenzori mouse	LC	X	X	X		Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Mus musculoides</i> Temminck, 1853	West African pygmy mouse	LC	X	X	X		Plumptre, 2002; Kingdon <i>et al.</i> , 2013
<i>Mus triton</i> (Thomas, 1909)	Grey-bellied pygmy mouse	LC	X	X	X		Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Praomys degraaffi</i> Van der Straeten & Kerbis Peterhans, 1999	De Graaff's soft-furred mouse	LC	X		X		Denys <i>et al.</i> , 2001; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Praomys jacksoni</i> (de Winton, 1897)	Jackson's soft-furred mouse	LC	X	X	X		Denys <i>et al.</i> , 2001; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Malacomys longipes</i> Milne-Edwards, 1877	Long-footed rat	LC		X	X		Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Colomys goslingi</i> Thomas & Wroughton, 1907	African water rat	LC	X	X	X		Plumptre, 2002; Kingdon <i>et al.</i> , 2013
<i>Zelotomys hildegardaei</i> (Thomas, 1902)	Hildegarde's broad-headed mouse	LC	?	?			Kingdon <i>et al.</i> , 2013
<i>Mastomys erythroleucus</i> (Temminck, 1853)	Guinean multimammate mouse	LC	?	?	?		Kingdon <i>et al.</i> , 2013
<i>Mastomys natalensis</i> (Smith, 1834)	Natal multimammate mouse	LC	?	?	?	?	Kingdon <i>et al.</i> , 2013
<i>Hylomyscus aeta</i> (Thomas, 1911)	Beaded wood mouse	LC	X	?	X		Plumptre, 2002; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Hylomyscus denniae</i> (Thomas, 1906)	Montane wood mouse	LC	X	?	X		Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Hylomyscus stella</i> (Thomas, 1911)	Stella wood mouse	LC	X	?	X		Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Otomys angoniensis</i> Wroughton, 1906	Angoni vlei rat	LC	?	?		?	Kingdon <i>et al.</i> , 2013
<i>Otomys denti</i> Thomas, 1906	Dent's vlei rat	LC	X	?	X		Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Otomys tropicalis</i> Thomas, 1902	Tropical vlei rat	LC	X	X	X	?	Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Oenomys hypoxanthus</i> (Pucheran, 1855)	Common rufous-nosed rat	LC	X	X	X		Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Thamnomys kempfi</i> Dollman, 1911	Kemp's thicket rat	VU	X	X	X		Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Hybomys univittatus</i> (Peters, 1876)	One-striped forest mouse	LC	?	X	X		Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Aethomys kaiseri</i> (Noack, 1887)	Kaiser's veld rat	LC				X	Kingdon <i>et al.</i> , 2013
<i>Grammomys dolichurus</i> (Smuts, 1832)	Woodland thicket rat	LC	X	?	?	?	Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Grammomys dryas</i> (Thomas, 1907)	Albertine rift thicket rat	LC	X	X			Kingdon <i>et al.</i> , 2013
<i>Grammomys kuru</i> (Thomas & Wroughton, 1907)	Shining thicket rat	LC	X	X			Kingdon <i>et al.</i> , 2013
<i>Dasymys incomptus</i> (Sundevall, 1847)	Common shaggy rat	LC	X	X	?	?	Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Dasymys rwandae</i> Verheyen, 2003	Rwandan shaggy rat	LC	X				Verheyen, 2003; Tuyisingize <i>et al.</i> , 2013

Order, family and species	Common name	IUCN	Vol	Kiv	Nyu	Aka	Specific Citations
<i>Pelomys fallax</i> (Peters, 1852)	East African creek rat	LC		?	X		Kingdon <i>et al.</i> , 2013
<i>Pelomys hopkinsi</i> Hayman, 1955	Hopkins's creek rat	DD			X		Kingdon <i>et al.</i> , 2013
<i>Lemniscomys macculus</i> (Thomas & Wroughton, 1910)	Buffoon grass mouse	LC	?	?		?	Kingdon <i>et al.</i> , 2013
<i>Lemniscomys striatus</i> (Linnaeus, 1758)	Striated grass mouse	LC	X	X	X	X	Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Arvicanthis niloticus</i> (E. Geoffroy, 1803)	Nile grass rat	LC	X	X		X	Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
Lagomorpha	Hares, rock-hares, & rabbits						
Leporidae	Hares, rock-hares, & rabbits						
<i>Lepus victoriae</i> Thomas, 1893	African savanna hare	LC			X		Kingdon <i>et al.</i> , 2013
Erinaceomorpha	Hedgehogs						
Erinaceidae	Hedgehogs						
<i>Atelerix albiventris</i> (Wagner, 1841)	White-bellied hedgehog	LC			X		Kingdon <i>et al.</i> , 2013
Soricomorpha	Shrews						
Soricidae	Shrews						
<i>Myosorex babaulti</i> Heim de Balsac & Lamotte, 1956	Babault's mouse shrew	LC	X	X			Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Suncus megalura</i> (Jentink, 1888)	Climbing dwarf shrew	LC	X	X	X	?	Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Sylvisorex granti</i> Thomas, 1907	Grant's forest shrew	LC	X	X	X		Hutterer <i>et al.</i> , 1987; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013;
<i>Sylvisorex johnstoni</i> (Dobson, 1888)	Johnston's forest shrew	LC	?	?	X		Plumptre, 2002; Kingdon <i>et al.</i> , 2013;
<i>Sylvisorex lunaris</i> Thomas, 1906	Moon forest shrew	NT	X	X	X		Hutterer <i>et al.</i> , 1987; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Sylvisorex vulcanorum</i> Hutterer & Verheyen, 1985	Volcano forest shrew	LC	X	?	X		Hutterer <i>et al.</i> , 1987; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Scutisorex somereni</i> (Thomas, 1910)	Amoured shrew	LC		X	X		Hutterer <i>et al.</i> , 1987; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013;
<i>Ruwenzorisorex suncooides</i> (Osgood, 1936)	Rwenzori water shrew	VU	X	?	X		Hutterer <i>et al.</i> , 1987; Plumptre, 2002; Plumptre, 2007; Chao, 2008; Kingdon <i>et al.</i> , 2013;
<i>Paracrocidura maxima</i> Heim de Balsac, 1959	Greater large-headed LC		X	X	X		Hutterer <i>et al.</i> , 1987; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Crocidura dolichura</i> Peters, 1876	Long-tailed shrew	LC	X	?	X		Hutterer <i>et al.</i> , 1987; Plumptre, 2002; Kingdon <i>et al.</i> , 2013;
<i>Crocidura fuscomurina</i> (Heuglin, 1865)	Bicoloured shrew	LC			X		Hutterer <i>et al.</i> , 1987; Kingdon <i>et al.</i> , 2013;
<i>Crocidura hildegardae</i> Thomas, 1904	Hildegarde's shrew	LC		?		X	Hutterer <i>et al.</i> , 1987; Plumptre, 2002; Kingdon <i>et al.</i> , 2013;
<i>Crocidura jacksoni</i> Thomas, 1904	Jackson's shrew	LC	?	?	?		Hutterer <i>et al.</i> , 1987; Kingdon <i>et al.</i> , 2013;
<i>Crocidura lanosa</i> Heim de Balsac, 1968	Kivu long-haired shrew	VU		?	X		Hutterer <i>et al.</i> , 1987; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013;

Order, family and species	Common name	IUCN	Vol	Kiv	Nyu	Aka	Specific Citations
<i>Crocidura luna</i> Dollman, 1910	Moonshine shrew	LC			?		Kingdon <i>et al.</i> , 2013;
<i>Crocidura maurisca</i> Thomas, 1904	Gracile naked-tailed shrew	LC	?	?	X		Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013;
<i>Crocidura nigrofusca</i> Matschie, 1895	African black shrew	LC			X	?	Hutterer <i>et al.</i> , 1987; Plumptre, 2002; Chao, 2008; Kingdon <i>et al.</i> , 2013;
<i>Crocidura niobe</i> Thomas, 1906	Niobe's shrew	LC	X				Kingdon <i>et al.</i> , 2013; Tuyisingize <i>et al.</i> , 2013
<i>Crocidura olivieri</i> (Lesson, 1827)	African giant shrew	LC	X	X	X	X	Hutterer <i>et al.</i> , 1987; Kingdon <i>et al.</i> , 2013;
<i>Crocidura parvipes</i> Osgood, 1910	Small-footed shrew	LC				X	Kingdon <i>et al.</i> , 2013;
<i>Crocidura roosevelti</i> (Heller, 1910)	Roosevelt's shrew	LC				X	Hutterer <i>et al.</i> , 1987; Kingdon <i>et al.</i> , 2013;
<i>Crocidura tarella</i> Dollman, 1915	Tarella shrew	EN	X				Kingdon <i>et al.</i> 2013; Tuyisingize <i>et al.</i> , 2013
<i>Crocidura turba</i> Dollman, 1910	Turbo shrew	LC	?	?	?		Kingdon <i>et al.</i> , 2013;
Chiroptera	Bats						
Pteropodidae	Fruit bats						
<i>Eidolon helvum</i> (Kerr, 1792)	Straw-coloured fruit bat	NT	?	X	X	?	Dowsett <i>et al.</i> , 1990; Plumptre, 2002; Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Rousettus aegyptiacus</i> (E. Geoffroy, 1810)	Egyptian rousette	LC	?	?	X	?	Chao, 2008; Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Rousettus lanosus</i> Thomas, 1906	Long-haired rousette	LC	X	?	X		Chao, 2008; Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Lissonycteris angolensis</i> (Bocage, 1898)	Angolan soft-furred fruit bat	LC	X	?	X		Chao, 2008; Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Myonycteris relicta</i> Bergmans, 1980	Bergmans's collared fruit bat	LC	X				Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Megaloglossus woermani</i> Pagenstecher, 1885	Woerman's long-tongued fruit bat	LC	X	X	X		Chao, 2008; Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Hypsipnathus monstrosus</i> H. Allen, 1861	Hammer-headed fruit bat	LC				X	Chao, 2008; Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Epomophorus labiatus</i> (Temminck, 1837)	Little epauletted fruit bat	LC	?	X	X	X	Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
Megadermatidae	Large-winged bats						
<i>Lavia frons</i> (E. Geoffroy, 1810)	Yellow-winged bat	LC	X			X	Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
Rhinolophidae	Horseshoe bats						
<i>Rhinolophus clivosus</i> Cretzschmar, 1828	Geoffroy's horseshoe bat	LC	?	?	X	?	Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017; Webala, 2021
<i>Rhinolophus eloquens</i> K. Anderson, 1905	Eloquent horseshoe bat	LC	X			?	Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017

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<i>Rhinolophus fumigatus</i> Rüppell, 1842	Rüpell's horseshoe bat	LC			X		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Rhinolophus hilli</i> Aellen, 1973	Hill's horseshoe bat	CR			X		Fahr, 2002; Chao, 2008; Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Rhinolophus landeri</i> Martin, 1838	Lander's horseshoe bat	LC		X	X	?	Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
Hipposideridae	Leaf-nosed bats						
<i>Hipposideros caffer</i> (Sundevall, 1846)	Sundevall's leaf-nosed bat	LC		X	X		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Hipposideros cyclops</i> (Temminck, 1853)	Cyclops leaf-nosed bat	LC	?	X	X		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Hipposideros ruber</i> (Noack, 1893)	Noack's leaf-nosed bat	LC	?	X	X		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
Nycteridae	Slit-faced bats						
<i>Nycterus arge</i> Thomas, 1903	Bates's slit-faced bat	LC		?	X		Chao, 2008; Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Nycterus hispida</i> (Schreber, 1775)	Hairy slit-faced bat	LC	?		X	X	Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Nycterus macrotis</i> Dobson, 1876	Large-eared slit-faced bat	LC	?	?	?	?	Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Nycterus nana</i> (K. Andersen, 1912)	Dwarf slit-faced bat	LC	?	?	X		Chao, 2008; Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Nycterus thebaica</i> E. Geoffroy, 1818	Egyptian slit-faced bat	LC	X	X	?	X	Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
Emballonuridae	Sheath-tailed bats						
<i>Coleura afra</i> (Peters, 1852)	African sheath-tailed bat	LC	?	?	?	X	Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Taphozous mauritianus</i> E. Geoffroy, 1818	Mauritian tomb bat	LC		?		X	Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
Molossidae	Free-tailed bats						
<i>Tadarida bennettii</i> (Jentink, 1879)	Gland-tailed free-tailed bat	LC			?		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Tadarida condylura</i> (A. Smith, 1833)	Angolan free-tailed bat	LC			X		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Tadarida fulminans</i> (Thomas, 1903)	Madagascan free-tailed bat	LC			X		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Tadarida thersites</i> (Thomas, 1903)	Railer free-tailed bat	LC	X				Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Otomops harrisoni</i> Ralph, Richards, Taylor, Napier & Lamb, 2015	Harrison's giant mastiff bat	VU	X				Ralph <i>et al.</i> , 2015; Patterson <i>et al.</i> , 2018;
<i>Otomops martiensseni</i> (Matschie, 1897)	Large-eared giant mastiff bat	NT	?	?	?	X	Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017

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Miniopteridae	Long-fingered bats						
<i>Miniopterus inflatus</i> Thomas, 1903	Greater long-fingered bat	LC		X			Chao, 2008; Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
Vespertilionidae	Vesper bats						
<i>Kerivoula cuprosa</i>	Copper-woolly bat	DD		X			Chao, 2008
<i>Myotis bocagii</i> (Peters, 1870)	Rufous mouse-eared bat	LC	?	X	X	X	Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Myotis tricolor</i> (Temminck, 1832)	Temminck's hairy bat	LC	X	?	?		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Myotis welwitschii</i> (Gray, 1866)	Welwitsch's myotis	LC	X	?	?		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Scotophilus dinganii</i> (A. Smith, 1833)	Yellow-bellied house bat	LC		?	X		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Scotoecus hirundo</i> (de Winton, 1899)	Dark-winged lesser house bat	LC		X			Chao, 2008; Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Glauconycteris argentata</i> (Dobson, 1875)	Common butterfly bat	LC	X	X			Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Nycticeinops eisentrauti</i> (Hill, 1968)	N/A	DD		X			Chao, 2008; Van Cakenberghe <i>et al.</i> , 2017; Monadjem <i>et al.</i> , 2021
<i>Laephotis capensis</i> (A. Smith, 1829)	Cape serotine	LC		X			Chao, 2008; Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017; Monadjem <i>et al.</i> , 2021
<i>Pipistrellus hesperidus</i> (Temminck, 1840)	Dusk pipistrelle	LC	X	?	X		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017
<i>Pseudoromicia rendalli</i> (Thomas, 1889)	Rendall's serotine	LC	?	?	?		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017; Monadjem <i>et al.</i> , 2021
<i>Pseudoromicia tenuipinnis</i> (Peters, 1872)	White-winged serotine	LC	?	?	?		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017; Monadjem <i>et al.</i> , 2021
<i>Vansonia rueppellii</i> (J. Fischer, 1829)	Ruppell's serotine	LC	?	?	?	?	Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017; Monadjem <i>et al.</i> , 2021
<i>Neoromecia somalica</i> (Thomas, 1901)	Somali serotine	LC			X		Patterson & Webala, 2012; Kingdon <i>et al.</i> , 2013; Van Cakenberghe <i>et al.</i> , 2017; Monadjem <i>et al.</i> , 2021
Carnivora	Carnivores						
Canidae	Dogs & allies						
<i>Lupulella adustus</i> (Sundevall, 1847)	Side-striped jackal	LC	X	X	X	X	Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; RDB, 2017; MDD, 2021; Ping, 2021
Mustelidae	Mustelids						
<i>Mellivora capensis</i> (Schreber, 1776)	Ratel (Honey badger)	LC			X		Kingdon <i>et al.</i> , 2013
<i>Ictonyx striatus</i> (Perry, 1810)	Zorilla (Striped polecat)	LC	?	?	?	?	Kingdon <i>et al.</i> , 2013

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<i>Poecilogale albinucha</i> (Gray, 1864)	African striped weasel	LC	?	?	X	?	Dowsett <i>et al.</i> , 1990; Kingdon <i>et al.</i> , 2013
<i>Hydrictis maculicollis</i> (Lichtenstein, 1835)	Spotted-necked otter	NT	?	?	?	X	Verschuren, 1987; Lejeune & Frank, 1990; Kingdon <i>et al.</i> , 2013
<i>Aonyx capensis</i> (Schinz, 1821)	African clawless otter	NT				X	Verschuren, 1987
<i>Aonyx congicus</i> Lönnberg, 1910	Congo clawless otter	NT	?	X	X	?	Dowsett <i>et al.</i> , 1990; Chao, 2008; Jacques, 2009; Kingdon <i>et al.</i> , 2013
Nandiniidae							
<i>Nandinia binotata</i> (Gray, 1830)	Tree civet						
	Two-spotted palm civet	LC	?	X	X	?	Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; Ping, 2021
Felidae							
<i>Panthera leo</i> (Linnaeus, 1758)	Cats						
	Lion	VU				X	Verschuren, 1987; Kingdon <i>et al.</i> , 2013
<i>Panthera pardus</i> (Linnaeus, 1758)		VU	?	E	X	X	Verschuren, 1987; Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015
<i>Leptailurus serval</i> (Schreber, 1776)	Serval	LC	X	X	X	X	Verschuren, 1987; Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; RDB, 2017; Ping, 2021
<i>Caracal aurata</i> (Temminck, 1827)	African golden cat	VU	X	?	X		Chao, 2008; Kingdon <i>et al.</i> , 2013; Bahaa-el-din <i>et al.</i> 2015; Kitchener <i>et al.</i> , 2017
<i>Felis lybica</i> Forster, 1780	African wildcat	LC	X		X	X	Verschuren, 1987; Chao, 2008; Kingdon <i>et al.</i> , 2013; Kitchener <i>et al.</i> , 2017; T. Wronski (pers. comm.)
Viverridae							
<i>Civetticus civetta</i> (Schreber, 1776)	Genets & civets						
	African civet	LC		X	X	X	Verschuren, 1987; Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; RDB, 2017
<i>Genetta maculata</i> (Gray, 1830)	Blotched (rusty-spotted) genet	LC		?	X	X	Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Genetta servalina</i> Pucheran, 1855	Servaline genet	LC	X	X	X		Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Genetta victoriae</i> Thomas, 1901	Giant genet	LC			X		Kingdon <i>et al.</i> , 2013
Hyaenidae							
<i>Crocuta crocuta</i> (Erxleben, 1777)	Hyaenas & aardwolf						
	Spotted hyaena	LC	?			X	Verschuren, 1987; Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015
Herpestidae							
<i>Atilax paludinosus</i> (G. Cuvier, 1829)	Mongooses						
	Marsh mongoose	LC	?	X	X	X	Verschuren, 1987; Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Herpestes ichneumon</i> (Linnaeus, 1758)	Egyptian mongoose	LC	?	?	X	?	Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Herpestes sanguineus</i> (Rüppell, 1835)	Slender mongoose	LC			X	X	Verschuren, 1987; Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; T. Wronski (pers. comm.)
<i>Bdeogale nigripes</i> Pucheran, 1855	Black-legged mongoose	LC			X		Kingdon <i>et al.</i> , 2013
<i>Icheumia albicauda</i> (G. Cuvier, 1829)	White-Tailed mongoose	LC		?	?	X	Verschuren, 1987; Kingdon <i>et al.</i> , 2013
<i>Mungos mungo</i> (Gmelin, 1788)	Banded mongoose	LC				X	Verschuren, 1987; Kingdon <i>et al.</i> , 2013
<i>Helogale parvula</i> (Sundevall, 1847)	Dwarf mongoose	LC				X	Kingdon <i>et al.</i> , 2013

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Pholidota	Pangolins						
Manidae	Pangolins						
<i>Phataginus tricuspis</i> (Rafinesque, 1821)	Tree pangolin	EN		X			Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Smutsia gigantea</i> (Illiger, 1815)	Giant pangolin	EN			X		Kingdon <i>et al.</i> , 2013
Perissodactyla	Odd-toed ungulates						
Equidae	Horses						
<i>Equus quagga</i> Boddaert, 1785	Plains zebra	NT			X		Verschuren, 1987; Apio & Wronski, 2011; Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015
Rhinocerotidae	Rhinoceroses						
<i>Diceros bicornis</i> (Linnaeus, 1758)	Black (hook-lipped) rhinoceros	CR			X		Verschuren, 1987; Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015
Cetartiodactyla	Even-toed ungulates						
Suidae	Pigs						
<i>Phacochoerus africanus</i> (Gmelin, 1788)	Common warthog	LC			X		Verschuren, 1987; Apio & Wronski, 2011; Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015
<i>Potamochoerus larvatus</i> (F. Cuvier, 1822)	Bushpig	LC	?	?	X	?	Verschuren, 1987; Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Hylochoerus meinertzhageni</i> Thomas, 1904	Giant forest hog	LC			X		Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013
Hippopotamidae	Hippopotamuses						
<i>Hippopotamus amphibius</i> Linnaeus, 1758	Common hippopotamus	VU		E		X	Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015
Giraffidae	Giraffes						
<i>Giraffa tippelskirchi</i> Matschie, 1898	Maasai giraffe	EN			X		Apio & Wronski, 2011; Groves & Grubb, 2011; Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015; Fennessy <i>et al.</i> , 2016; Winter <i>et al.</i> , 2018
Bovidae	Horned ungulates						
<i>Syncerus caffer</i> (Sparrman, 1779)	African buffalo	NT	X	E	E	X	Verschuren, 1987; Dowsett <i>et al.</i> , 1990; Chao, 2008; Apio & Wronski, 2011; Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015
<i>Tragelaphus sylvaticus</i> (Sparrman, 1780)	Southern bushbuck	LC	X	E	X	X	Verschuren, 1987; Dowsett <i>et al.</i> , 1990; Apio & Wronski, 2011; Groves & Grubb, 2011; Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015
<i>Tragelaphus spekii</i> Speke, 1863	Sitatunga	LC			X		Verschuren, 1987; Kingdon <i>et al.</i> , 2013
<i>Tragelaphus oryx</i> (Pallas, 1766)	Common eland	LC			X		Verschuren, 1987; Apio & Wronski, 2011; Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015
<i>Philantomba monticola</i> (Thunberg, 1789)	Blue duiker	LC	?	E	X		Dowsett <i>et al.</i> , 1990; Kingdon <i>et al.</i> , 2013
<i>Sylvicapra grimmia</i> (Linnaeus, 1758)	Bush/common duiker	LC				X	Verschuren, 1987; Kingdon <i>et al.</i> , 2013
<i>Cephalophus nigrifrons</i> Gray, 1871	Black-fronted duiker	LC	X	E	X		Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Cephalophus weynsi</i> Thomas, 1901	Weyns's duiker	LC	?		X		Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013; Moore <i>et al.</i> , 2018
<i>Cephalophus silvicultr</i> (Afzelius 1815)	Yellow-backed duiker	NT	X		X		Dowsett <i>et al.</i> , 1990; Chao, 2008; Kingdon <i>et al.</i> , 2013
<i>Ourebia ourebi</i> (Zimmerman, 1783)	Oribi	LC			X		Verschuren, 1987; Apio & Wronski, 2011; Kingdon <i>et al.</i> ,

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2013							
<i>Redunca redunca</i> (Pallas, 1767)	Bohor reedbuk	LC		X			Verschuren, 1987; Apio & Wronski, 2011; Kingdon <i>et al.</i> , 2013
<i>Kobus ellipsiprymnus</i> (Ogilby, 1833)	Waterbuck	LC	?	X			Verschuren, 1987; Apio & Wronski, 2011; Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015
<i>Oreotragus oreotragus</i> (Zimmerman, 1783)	Klipspringer	LC		X			Verschuren, 1987; Apio & Wronski, 2011; Kingdon <i>et al.</i> , 2013
<i>Aepyceros melampus</i> (Lichtenstein, 1812)	Impala	LC		X			Verschuren, 1987; Apio & Wronski, 2011; Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015
<i>Damaliscus lunatus</i> (Burchell, 1824)	Topi	LC		X			Verschuren, 1987; Apio & Wronski, 2011; Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015
<i>Hippotragus equinus</i> (É. Geoffroy Saint-Hilaire, 1803)	Roan antelope	LC		X			Verschuren, 1987; Apio & Wronski, 2011; Kingdon <i>et al.</i> , 2013; Apio <i>et al.</i> , 2015

*Abbreviations:

IUCN = Global conservation status based on the IUCN Red List of Threatened Species, DD = Data Deficient, LC = Least Concern, NT = Near Threatened, VU = Vulnerable, EN = Endangered, CR = Critically Endangered; Vol = Parc National des Volcans. Kiv = Lake Kivu shore and nearby forests (including Gishwati-Mukura). Nyu = Nyungwe National Park. Aka = Akagera National Park