**Supplementary Table S1.** Terrestrial medium and large-sized mammalian species known to occur in the Sesc Pantanal reserve and potentially affected by Pantanal 2020 megafires. Conservation status classification and year of last evaluation (within brackets) by International Union for Conservation of Nature version 2022-2: LC=least concern; NT=near threatened; VU=vulnerable; DD=data deficient. Note that the brocket deer (Subulo gouazoubira and Mazama rufa) were grouped in a single taxon for analyses.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Species | Common name | Acronym | Family | Order | IUCN status (year) | |
| *Alouatta caraya* | Black howler monkey | Alocar | Atelidae | Primates | | NT (2015) |
| *Blastocerus dichotomus* | Marsh deer | Bladic | Cervidae | Cetartiodactyla | | \*VU (2016) |
| *Cerdocyon thous* | Crab-eating fox | Certho | Canidae | Carnivora | | LC (2015) |
| *Chrysocyon brachyurus* | Manned wolf | Chrbra | Canidae | Carnivora | | NT (2015) |
| *Coendou longicaudatus* | Prehensile-tailed porcupine | Coelon | Erethizontidae | Rodentia | | - |
| *Cuniculus paca* | Lowland paca | Cunpac | Cuniculidae | Rodentia | | LC (2016) |
| *Dasyprocta azarae* | Azara’s agouti | Dasaza | Dasyproctidae | Rodentia | | DD (2016) |
| *Dasypus novemcinctus* | Nine-banded armadillo | Dasnov | Dasypodidae | Cingulata | | LC (2013) |
| *Didelphis albiventris* | White-eared opossum | Didalb | Didelphidae | Didelphimorphia | | LC (2015) |
| *Eira barbara* | Tayra | Eirbar | Mustelidae | Carnivora | | LC (2015) |
| *Euphractus sexcinctus* | Six-banded armadillo | Eupsex | Chlamyphoridae | Cingulata | | LC (2013) |
| *Herpailurus yagouaroundi* | Jaguarundi | Heryag | Felidae | Carnivora | | LC (2014) |
| *Hydrochoerus hydrochaeris* | Capybara | Hydhyd | Caviidae | Rodentia | | LC (2016) |
| *Leopardus pardalis* | Ocelot | Leopar | Felidae | Carnivora | | LC (2014) |
| *Mazama rufa* | Red brocket deer | MazSub | Cervidae | Cetartiodactyla | | - |
| *Myrmecophaga tridactyla* | Giant anteater | Myrtri | Myrmecophagidae | Pilosa | | \*VU (2013) |
| *Nasua nasua* | South American coati | Nasnas | Procyonidae | Carnivora | | LC (2015) |
| *Panthera onca* | Jaguar | Panonc | Felidae | Carnivora | | NT (2016) |
| *Pecari tajacu* | Collared peccary | Pectaj | Tayassuidae | Cetartiodactyla | | LC (2011) |
| *Priodontes maximus* | Giant armadillo | Primax | Chlamyphoridae | Cingulata | | \*VU (2013) |
| *Procyon cancrivorus* | Crab-eating raccoon | Procan | Procyonidae | Carnivora | | LC (2015) |
| *Puma concolor* | Cougar | Pumcon | Felidae | Carnivora | | LC (2014) |
| *Sapajus cay* | Azara’s capuchin monkey | Sapcay | Cebidae | Primates | | \*VU (2022) |
| *Speothos venaticus* | Bush dog | Speven | Canidae | Carnivora | | NT (2011) |
| *Subulo gouazoubira* | Gray brocket deer | MazSub | Cervidae | Cetartiodactyla | | LC (2015) |
| *Tamandua tetradactyla* | Southern tamandua | Tamtet | Myrmecophagidae | Pilosa | | LC (2013) |
| *Tapirus terrestris* | Brazilian tapir | Tapter | Tapiriidae | Perissodactyla | | \*VU (2018) |
| *Tayassu pecari* | White-lipped peccary | Taypec | Tayassuidae | Cetartiodactyla | | \*VU (2012) |