**Supplementary Data 1.** Number of specimens included per species of bats, and the list of museums and catalogue numbers of specimens examined.

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| --- | --- | --- | --- |
| **Family** | **Genus** | **Species** | **Number of individuals** |
| **Emballonuridae** | *Peropteryx* | *macrotis* | 1 |
|  | *Rhynchonycteris* | *naso* | 2 |
|  | *Saccopteryx* | *bilineata* | 7 |
|  | *Saccopteryx* | *leptura* | 5 |
| **Molossidae** | *Eumops* | sp. | 4 |
|  | *Molossops* | *temminckii* | 2 |
|  | *Molossus* | *bondae* | 1 |
|  | *Molossus* | *molossus* | 12 |
|  | *Molossus* | *pretiosus* | 1 |
|  | *Molossus* | *rufus* | 4 |
| **Phyllostomidae** | *Anoura* | *geoffroyi* | 20 |
|  | *Artibeus* | *aequatorialis* | 2 |
|  | *Artibeus* | *jamaicensis* | 20 |
|  | *Artibeus* | *lituratus* | 21 |
|  | *Artibeus* | *obscurus* | 2 |
|  | *Artibeus* | *phaeotis* | 7 |
|  | *Artibeus* | *planirostris* | 6 |
|  | *Carollia* | *brevicauda* | 23 |
|  | *Carollia* | *castanea* | 14 |
|  | *Carollia* | *perspicillata* | 53 |
|  | *Carollia* | *subrufa* | 1 |
|  | *Chiroderma* | *trinitatum* | 15 |
|  | *Desmodus* | *rotundus* | 13 |
|  | *Enchisthenes* | *hartii* | 4 |
|  | *Gardnerycteris* | *crenulatum* | 1 |
|  | *Glossophaga* | *commissarisi* | 2 |
|  | *Glossophaga* | *soricina* | 11 |
|  | *Lionycteris* | *spurrelli* | 1 |
|  | *Lonchophylla* | *robusta* | 2 |
|  | *Lophostoma* | *brasiliense* | 14 |
|  | *Lophostoma* | *carrikeri* | 4 |
|  | *Lophostoma* | *schulzi* | 2 |
|  | *Lophostoma* | *silvicolum* | 56 |
|  | *Macrophyllum* | *macrophyllum* | 2 |
|  | *Mesophylla* | *macconnelli* | 4 |
|  | *Micronycteris* | *megalotis* | 3 |
|  | *Phyllostomus* | *discolor* | 8 |
|  | *Phyllostomus* | *hastatus* | 10 |
|  | *Platyrrhinus* | *albericoi* | 2 |
|  | *Platyrrhinus* | *brachycephalus* | 5 |
|  | *Platyrrhinus* | *dorsalis* | 4 |
|  | *Platyrrhinus* | *helleri* | 10 |
|  | *Platyrrhinus* | *ismaeli* | 1 |
|  | *Platyrrhinus* | *lineatus* | 6 |
|  | *Platyrrhinus* | *umbratus* | 2 |
|  | *Platyrrhinus* | *vittatus* | 2 |
|  | *Rhinophylla* | *pumilio* | 1 |
|  | *Sturnira* | *bogotensis* | 19 |
|  | *Sturnira* | *erythromos* | 2 |
|  | *Sturnira* | *lilium* | 8 |
|  | *Sturnira* | *luisi* | 3 |
|  | *Sturnira* | *oporaphilum* | 5 |
|  | *Sturnira* | *tildae* | 1 |
|  | *Trachops* | *cirrhosus* | 2 |
|  | *Uroderma* | *bilobatum* | 11 |
|  | *Uroderma* | *magnirostrum* | 2 |
|  | *Vampyrum* | *spectrum* | 24 |
| **Vespertilionidae** | *Eptesicus*  | *brasiliensis* | 2 |
|  | *Eptesicus* | *chiriquinus* | 4 |
|  | *Eptesicus* | *furinalis* | 4 |
|  | *Histiotus* | *diaphanopterus* | 2 |
|  | *Histiotus* | *montanus*  | 15 |
|  | *Histiotus* | *velatus* | 21 |
|  | *Lasiurus* | *borealis* | 1 |
|  | *Myotis* | *albescens* | 4 |
|  | *Myotis* | *keasy* | 4 |
|  | *Myotis* | *nigricans* | 7 |
|  | *Myotis* | *riparius* | 2 |
|  | *Rhogeessa* | sp. | 4 |
| **Total** |  |  | **540** |

**Box S1.** List of museums housing the specimens examined with their catalogue numbers, organized by column. **Andes-M:** Colección de Mastozoología de la Universidad de los Andes, Colombia, **CTUA**: Colección Teriológica Universidad de Antioquia, Colombia**, CZUC**: Colección Zoológica Universidad de Córdoba, Colombia, **CZUT:** Colección Zoológica Universidad de Tolima, Colombia, **IAVH**: Colección de Mamíferos del Instituto Alexander von Humboldt, Colombia, **ICN:** Instituto de Ciencias Naturales, Colombia, **LSUMZ**: Louisiana State University, USA, **MCN:** Museu de Zoologia Jardim Botânico de Porto Alegre, Brazil, **MHN-UC:** Museo de Historia Natural Universidad del Cauca, Colombia, **MHNU-Ca**: Museo de Historia Natural Universidad de Caldas, Colombia, **MLS:** Museo de La Salle, Colombia, **MNHM-M:** Museo de Historia Natural de Montevideo, Uruguay, **MNRJ:** Museu Nacional do Rio de Janeiro, Brazil, **MUD:** Museo de Historia Natural de la Universidad Distrital Francisco José de Caldas, Colombia, **MUJ**: Museo Javeriano de Historia Natural, Colombia, **MZUSP**: Museu de Zoologia da Universidad de Sao Paulo, Brazil, **PSO-CZ**: Museo de Historia Natural Universidad de Nariño, Colombia, **UV**: Colección de Zoologia Universidad del Valle, Colombia.

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| ***Anoura geoffroyi*** | MUJ791 | MNRJ82296 | MUD179 |
| MUD36 | MUJ787 | MNRJ82971 | MUD180 |
| MUD37 | MUJ788 | MZUSP22640 | ***Platyrrhinus brachycephalus*** |
| MUD38 | MUJ790 | MZUSP29541 | MUD743 |
| MUD39 | MUJ792 | MZUSP29863 | MUD746 |
| MUD64 | MUJ794 | MZUSP18460 | MUD756 |
| MUD74 | MUJ793 | MZUSP18461 | MUD965 |
| MUD80 | MUJ796 | MZUSP18462 | MUD983 |
| MUD162 | MUJ797 | ***Lophostoma carrikeri*** | ***Platyrrhinus dorsalis*** |
| MUD163 | MUJ795 | IAvH7112 | MUD425 |
| MUD164 | MUJ798 | MZUSP22707 | MUD730 |
| MUD165 | MUJ799 | MZUSP33554 | MUD966 |
| MUD170 | MUJ812 | MZUSP33355 | MUD982 |
| MUD171 | MUJ811 | ***Lophostoma schulzi*** | ***Platyrrhinus helleri*** |
| MUD172 | Andes-M77 | MNRJ77480 | MLS2618 |
| MUD173 | Andes-M72 | MZUSP13077 | MLS2617 |
| MUD177 | MUD137 | ***Lophostoma silvicolum*** | MUJ841 |
| MUD184 | MUD144 | MHNU-Ca745 | MUJ839 |
| MUD189 | MUD148 | MHNU-Ca131 | MUJ838 |
| MUD204 | MUD157 | IAvH4193 | MUJ840 |
| MUD441 | MUD167 | IAvH1991 | MUJ837 |
| ***Artibeus aequatorialis*** | MUD190 | IAvH9580 | MUJ286 |
| MLS565 | MUD191 | IAvH3166 | MUD83 |
| MUD414 | MUD207 | IAvH4492 | MUD343 |
| ***Artibeus jamaicensis*** | MUD217 | IAvH7140 | ***Platyrrhinus ismaeli*** |
| Andes-M1495 | ***Carollia subrufa*** | IAvH4490 | MUD409 |
| Andes-M1482 | Andes-M1605 | IAvH7148 | ***Platyrrhinus lineatus*** |
| Andes-M318 | ***Chiroderma trinitatum*** | IAvH9142 | MUD922 |
| Andes-M1048 | MUD126 | IAvH1854 | MUD955 |
| Andes-M1061 | MUD738 | LSUMZ8199 | MUD960 |
| Andes-M1065 | ICN13355 | LSUMZ9327 | MUD964 |
| Andes-M1079 | ICN14006 | LSUMZ12065 | MUD968 |
| Andes-M1069 | ICN14007 | LSUMZ12066 | MUD1050 |
| Andes-M1062 | ICN14008 | LSUMZ14078 | ***Platyrrhinus umbratus*** |
| Andes-M1070 | ICN14493 | LSUMZ14079 | MUD646 |
| Andes-M1076 | ICN15022 | LSUMZ16441 | MUD662 |
| Andes-M1074 | ICN15023 | LSUMZ18852 | ***Platyrrhinus vittatus*** |
| Andes-M1071 | ICN18852 | LSUMZ18853 | MUD94 |
| MUJ464 | ICN7606 | LSUMZ22713 | MUD944 |
| MUJ813 | ICN6436 | LSUMZ25475 | ***Peropteryx macrotis*** |
| MUJ814 | ICN3917 | LSUMZ25476 | Andes-M45 |
| Andes-M1050 | ICN3916 | LSUMZ27241 | ***Rhinophylla pumilio*** |
| Andes-M1056 | MUD739 | LSUMZ28406 | MLS2611 |
| Andes-M1075 | ***Desmodus rotundus*** | MNRJ3649 | ***Rhogeessa sp.*** |
| Andes-M1078 | MLS2547 | MNRJ37480 | MLS133 |
| ***Artibeus lituratus*** | MLS1478 | MNRJ37481 | MLS938 |
| MLS563 | MLS2612 | MNRJ37484 | MUJ850 |
| MLS2606 | MLS2495 | MNRJ37479 | MUD344 |
| MLS2605 | MLS2493 | MNRJ37482 | ***Rhynchonycteris naso*** |
| MUJ832 | Andes-M1612 | MNRJ79730 | MUD367 |
| MUJ833 | MUJ846 | MNRJ79732 | MUD1057 |
| MUJ831 | MUJ845 | MNRJ80508 | ***Saccopteryx bilineata*** |
| MUJ834 | MUJ282 | MNRJ82208 | Andes-M46 |
| MUJ829 | MUJ267 | MNRJ82967 | Andes-M43 |
| MUJ827 | MUJ260 | MNRJ37485 | Andes-M43 |
| MUJ826 | MUJ847 | MNRJ77492 | Andes-M47 |
| MUJ828 | MUD86 | MNRJ77762 | Andes-M44 |
| MUJ824 | ***Enchisthenes hartii*** | MNRJ77437 | Andes-M42 |
| MUJ825 | MUD460 | MNRJ77429 | Andes-M46 |
| MUJ823 | MUD699 | MNRJ77761 | ***Saccopteryx leptura*** |
| MUJ818 | MUD927 | MNRJ77467 | MLS1610 |
| MUJ822 | MUD962 | MNRJ79828 | MLS1611 |
| MUJ820 | ***Eptesicus brasiliensis*** | MZUSP20429 | MLS1612 |
| MUJ817 | MUD349 | MZUSP22645 | MLS1587 |
| MUJ821 | MUD717 | MZUSP5656 | MUJ775 |
| MUJ819 | ***Eptesicus chiriquinus*** | MZUSP18465 | ***Sturnira bogotensis*** |
| MUJ816 | MUD116 | MZUSP18464 | MUJ281 |
| ***Artibeus obscurus*** | MUD125 | MZUSP22637 | MUD155 |
| Andes-M1066 | MUD138 | MZUSP6664 | MUD158 |
| MUD745 | MUD139 | MZUSP35791 | MUD168 |
| ***Artibeus phaeotis*** | ***Eptesicus furinalis*** | MZUSP35795 | MUD178 |
| Andes-M1477 | MLS942 | MZUSP35797 | MUD219 |
| MUJ835 | MUD402 | MZUSP35802 | MUD220 |
| MUJ285 | MUD403 | ***Macrophyllum macrophyllum*** | MUD221 |
| MUJ283 | MUD1022 | MUD201 | MUD222 |
| MUJ269 | ***Eumops sp.*** | MUD202 | MUD223 |
| MUD477 | MLS1606 | ***Mesophylla macconnelli*** | MUD224 |
| MUD935 | MLS1607 | MUD69 | MUD225 |
| ***Artibeus planirostris*** | MLS1608 | MUD133 | MUD226 |
| Andes-M1080 | MLS1609 | MUD687 | MUD227 |
| Andes-M1073 | ***Gardnerycteris crenulatum*** | MUD740 | MUD228 |
| MUD418 | MUD368 | ***Micronycteris megalotis*** | MUD229 |
| MUD711 | ***Glossophaga commissarisi*** | MUD348 | MUD230 |
| MUD733 | MUD287 | MUD1002 | MUD330 |
| MUD753 | MUD391 | MUD1011 | MUD476 |
| ***Carollia brevicauda*** | ***Glossophaga soricina*** | ***Molossops temminckii*** | ***Sturnira erythromos*** |
| MLS2615 | MLS1596 | MUJ851 | MUD986 |
| MLS2548 | MUJ780 | MUD296 | MUD987 |
| MLS2549 | MUJ782 | ***Molossus bondae*** | ***Sturnira lilium*** |
| Andes-M68 | MUJ781 | MUD666 | MLS2610 |
| Andes-M69 | MUJ779 | ***Molossus molossus*** | MLS2616 |
| Andes-M57 | MUJ778 | MLS1582 | MUD63 |
| MUD62 | Andes-M89 | MLS1603 | MUD71 |
| MUD65 | Andes-M40 | MLS1604 | MUD81 |
| MUD70 | Andes-M41 | MLS1605 | MUD87 |
| MUD151 | MUD350 | MUD146 | MUD142 |
| MUD160 | MUD645 | MUD147 | MUD715 |
| MUD205 | ***Histiotus diaphanopterus*** | MUD154 | ***Sturnira luisi*** |
| MUD206 | MNRJ3547 | MUD326 | MUD461 |
| MUD208 | MZUSP30174 | MUD332 | MUD830 |
| MUD209 | ***Histiotus montanus***  | MUD407 | MUD841 |
| MUD210 | MCN1313 | MUD665 | ***Sturnira oporaphilum*** |
| MUD211 | MNHN-M142 | MUD759 | MUD417 |
| MUD212 | MNHN-M150 | ***Molossus pretiosus*** | MUD677 |
| MUD213 | MNHN-M140 | MUD408 | MUD700 |
| MUD214 | MNHN-M149 | ***Molossus rufus*** | MUD726 |
| MUD710 | MNHN-M147 | MUD394 | MUD734 |
| MUD731 | MNHN-M152 | MUD395 | ***Sturnira tildae*** |
| MUD1003 | MNHN-M239 | MUD396 | MUD453 |
| ***Carollia castanea*** | MNHN-M279 | MUD397 | ***Trachops cirrhosus*** |
| MLS2607 | MNHN-M789 | ***Myotis albescens*** | MUD741 |
| MUJ278 | MNHN-M27 | MUD285 | MUD1052 |
| MUJ280 | MNHN-M2608 | MUD290 | ***Uroderma bilobatum*** |
| MUJ783 | MNHN-M2607 | MUD413 | MLS2613 |
| MUJ290 | MNHN-M2921 | MUD415 | MLS997 |
| MUJ288 | MNHN-M2559 | ***Myotis keasy*** | MUJ842 |
| MUJ272 | ***Histiotus velatus*** | MUD166 | MUJ843 |
| MUJ201 | MNRJ23049 | MUD748 | MUJ844 |
| MUD53 | MNRJ3395 | MUD750 | MUJ836 |
| MUD96 | MNRJ3391 | MUD757 | MUJ264 |
| MUD120 | MNRJ3459 | ***Myotis nigricans*** | MUD751 |
| MUD176 | MNRJ23048 | MUJ848 | MUD752 |
| MUD831 | MNRJ23071 | MUJ849 | MUD753 |
| MUD997 | MZUSP18720 | MUD713 | MUD754 |
| ***Carollia perspicillata*** | MZUSP3668 | MUD823 | ***Uroderma magnirostrum*** |
| MLS574 | MZUSP18719 | MUD838 | MLS1636 |
| MLS2551 | MZUSP1510 | MUD926 | Andes-M1570 |
| MLS2614 | MZUSP31892 | MUD1038 | ***Vampyrum spectrum*** |
| MLS1545 | MZUSP31464 | ***Myotis riparius*** | ICN6407 |
| MLS1470 | MZUSP31402 | MUD749 | ICN6408 |
| MLS2619 | MZUSP31801 | MUD1060 | ICN176 |
| MLS2608 | MZUSP31465 | ***Phyllostomus discolor*** | ICN21168 |
| MLS2550 | MZUSP31400 | Andes-M320 | IAVH3330 |
| MLS2533 | MZUSP31463 | Andes-M392 | IAVH3331 |
| MLS2552 | MZUSP31800 | Andes-M394 | MHNU-Ca959 |
| MUJ810 | MZUSP31799 | Andes-M393 | MHNU-Ca989 |
| MUJ808 | MCN5 | Andes-M355 | MHNU-Ca1478 |
| MUJ807 | MNHN-M266 | Andes-M320 | IAVH7211 |
| MUJ809 | ***Lasiurus borealis*** | MUD297 | ICN14702 |
| MUJ805 | MUD437 | MUD403 | ICN177 |
| MUJ806 | ***Lionycteris spurrelli*** | ***Phyllostomus hastatus*** | ICN9527 |
| MUJ804 | MUD732 | MUJ776 | ICN21382 |
| MUJ803 | ***Lonchophylla robusta*** | MUJ777 | ICN8389 |
| MUJ802 | MUD684 | MUD450 | MLS1540 |
| MUJ800 | MUD852 | MUD664 | CZUT771 |
| MUJ801 | ***Lophostoma brasiliense*** | MUD709 | CZUC409 |
| MUJ276 | MCN1620 | MUD836 | CTUA3404 |
| MUJ786 | MHNU-Ca129 | MUD837 | CTUA4652 |
| MUJ263 | MHNU-Ca1014 | MUD842 | MHN-UCM042E |
| MUJ784 | MHNU-Ca1016 | MUD1058 | PSO-CZ477 |
| MUJ284 | IAvH4493 | MUD1062 | PSO-CZ663 |
| MUJ785 | MNRJ64799 | ***Platyrrhinus albericoi*** | UV13281 |
| MUJ789 |  |  |  |