The primate collection at the Natural Science Museum of Barcelona (Spain)

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Abstract

The primate collection at the Natural Science Museum of Barcelona (Spain).—The Natural Science Museum of Barcelona (MCNB) houses a total of 309 specimens of non–human primates. The collection comprises 102 stuffed animals, 33 skins, 73 skeletons, 24 postcranial skeletons, eight mounted skeletons, 54 skulls, three whole animals in alcohol, and 31 other samples (bones and other). Over the last two years the collection has been completely reviewed and reorganized. The collection contains 39 genera and includes a wide range of extant non–human primates. It houses specimens from Africa, Asia and South and Central America, with 10.26% of samples being Strepsirrhines, 26.92% New World monkeys and 62.18% Old World monkeys. The Museum houses some endangered or rare species. In this work we present the contents of the recent review with new and updated taxonomic attributions together with a complete list of samples that includes information on age, class and preservation status for each specimen.

Key words: Naturalistic collection, Primates, Review

Resumen

La colección de primates del Museo de Ciencias Naturales de Barcelona (España).—El MCNB conserva un total de 309 ejemplares de primates no humanos. La colección consta de 102 ejemplares disecados, 33 pieles, 73 esqueletos, 24 esqueletos postcraneales, ocho esqueletos montados, 54 cráneos, 3 animales enteros en alcohol, y 31 muestras de otro tipo (huesos y otros). En los últimos dos años se ha llevado a cabo una revisión completa y una reorganización de la colección. Con 39 géneros, la colección incluye una amplia gama de primates no humanos. Contiene muestras de África, Asia y América del Sur y Central, el 10,26% son estrepsirrininos, el 26,92% monos del Nuevo Mundo y el 62,18% del Viejo Mundo. El Museo alberga algunas especies en peligro de extinción o raras. En este trabajo se presentan los resultados de la revisión taxonómica con resultados actualizados de las determinaciones llevadas a cabo, con una lista completa de las muestras incluyendo información sobre la edad, la clase y el tipo de muestra.

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Palabras clave: Colección de Ciencias Naturales, Primates, Revisión

Resum

La col·lecció de primats del Museu de Ciències Naturals de Barcelona (Espanya).— L'MCNB conserva un total de 309 exemplars de primats no humans. La col·lecció consta de 102 exemplars disseccats, 33 pells, 73 esquelets, 24 esquelets postcranials, vuit esquelets muntats, 54 crania, tres animals sencers en alcohol i 31 mostres d’altres tipus (ossos o altres). Els darrers anys s’ha portat a terme una revisió completa i una reorganització de la col·lecció. Amb 39 gèneres, aquesta inclou una àmplia gamma de primats no humans. Conté mostres d’Àfrica, Àsia i Amèrica del Sud i Central, el 10,26% són estrepsíriens, el 26,92% micos del Nou Món i el 62,18% micos del Vell Món. El Museu conserva algunes espècies en perill d’extinció o rares. En aquest treball es presenten els resultats de la revisió taxonòmica amb resultats actualitzats de les determinacions portades a terme, amb una llista completa de les mostres que inclou informació sobre l’edat, la classe i el tipus de mostra.

Paraules clau: Col·lecció de Ciències Naturals, Primats, Revisió

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Introduction

The primate collection at the Natural Science Museum of Barcelona (MCNB) (fig. 1) is one of the most important in Spain. It includes a total of 328 samples belonging to 309 nonhuman primate specimens. Most part of the material belongs to the osteological collection (73 complete skeletons, 24 postcranial skeletons, eight mounted skeletons, 54 skulls and 23 other bones). Skins are preserved as stuffed (102) (fig. 2) or as study skins (33). Several samples of bones and skin fragments are also preserved. Three whole animals and 8 other samples (some mold and replica, and a head) are stored/conserved. Some years ago the Museum also started a new collection, the tissue bank, which is now composed of 25 primate samples conserved in alcohol. The scientific value of the collection is testified to by the range of primate variability and the fact that many of the samples were free–ranging animals collected several decades ago. Barcelona Zoo provided 128 samples that are in a good state of preservation. In 2008, a complete review of the collection was begun. The taxonomic attributions were newly assessed and updated, the preservation status of the entire collection was monitored. This paper presents the results of this work and gives a complete list of samples including information on age, class and preservation status for each specimen.

Some historical notes about the Collection

The Museum of Zoology, now The Natural Science Museum of Barcelona, was founded in 1882 by a bequest from the estate of Mr. Francesc Martorell Peña. The collection is

Fig. 1. A primate exhibition hall with the showcase exhibited until May 2010.

Fig. 1. Exposición de primates en una de las vitrinas de la exposición permanente del Museo hasta Mayo de 2010.
the result of contributions from expeditions (fig. 3), donations and purchases from all over the world since that time. Joan Baptista Aguilar–Amat (1881–1936) was a scientist and the curator of vertebrates at the Museum of Natural Science of Barcelona; in 1929 he participated in a six–month expedition to Indochina organized by the naturalist Emili Juncadella. This trip started in Barcelona, crossed through France and reaching India before ending in Indochina. Study skins of birds and also mammals were brought back, including the two specimens of *Loris tardigradus* collected in Colombo (Sri Lanka). The oldest primates of the collection are three specimens received in 1888 from the Antiga College, a private college in Barcelona. At that time, the Museum purchased many specimens from private taxidermists and collectors who were very common in Barcelona at the end of 19th century. For instance, six animals were purchased from the Casa Darder (1883–1890) and others from the seller Lluís Soler Pujol. The Museum also purchased animals from dealers Unlauf in Germany and Rowland in England. In the 1940s and 50s the museum purchased a collection of ten primates from Leopoldo Gomez Alonso, a collector who travelled in Ecuador. In the last decades of the 20th century the Museum also received several donations from private religious schools. The Salesians (Salesian Society) donated two specimens and the Jesuitas (Society of Jesus) donated 12 specimens in 1999. These schools often purchased animals from the Casa Soler Pujol of Barcelona or collected animals at their overseas missions. In most cases they did not record the geographical origins of the animals. A good exception, however, is the collection of 13...
primates donated by the Order of Friars Minor Capuchin that operated in the Colombian Amazon. All of these specimens have the exact site of collection noted. The Museum also received 128 specimens from the Barcelona Zoo with which it has collaborated since 1888. Some of these specimens belong to the Zoo’s early years (1888–1935), while others are from the last several decades. Collaboration with the Zoo allowed the Museum to collect a good representation of primate taxa. The Museum has its own taxidermy department (fig. 4) and its own scientific collection, consisting of both osteological specimens and skins and tissues.

It is unfortunate that the heterogeneous provenance and lack of historical data available for many specimens prevents us from generating a complete dataset for each exemplar. We do not know, the dates of arrival for some 139 specimens, for example, though we do know they were received before 1935; for this reason we consider them part of the old collection of the first epoch of the MCNB. At the same time, the Museum has an historic archive that has only been partially studied; further studies will allow better documentation of the history of the collection. The collection is fully computerized. Primates with recollection information are also available at GBIF (Global Biodiversity Information Facility). At the time of preparing this paper, consultation and loan are closed due to the remodeling project presently underway at the Museum. Scientific consultation and loan, however, remain available to

Fig. 3. *Loris tardigradus* (Linnaeus, 1758): some of the oldest specimens in the collection, collected in Sri Lanka during the expedition to Indochina in 1929.

*Fig. 3. Loris tardigradus* (Linnaeus, 1758): unos de los especímenes más antiguos de la colección, recolectados en Sri Lanka durante la expedición hacia Indochina en 1929.
Materials and methods

The systematic reference originally adopted for the mammal collection at MCNB was that of Honacki et al. (1982). As mammal classification has been modified in recent years by a large number of studies, the collection is now classified in accordance with the most recent works of Wilson & Reeder, (2005). As a general reference for primates, taxonomy follows Groves (2001, 2005) supplemented by Rylands et al. (2000), Grubb et al. (2003), Brandon–Jones (2004), and Mittermeier et al. (2008). Taxon recognition is based upon morphological keys for taxonomic rank in accordance with the descriptions available in the literature (Auricchio, 1995; Rowe, 1996; Swindler, 2002; Walker & Molur 2007; Mittermeier et al., 2008; Kingdon, 2004; Defler, 2004).

Morphological analysis

In assessing the taxon we considered the following aspects: 1. Sex; 2. Estimated age; 3. Data of capture and possible fur and skin colour alteration due to light exposure; and 4. Diagnostic keys of the taxon considered.

Provenance and geographic distribution:

Information on the exact provenance of the specimens was often unknown (see table 1). Thus for precise identification priority was given to specimen morphology rather than to geographic provenance. In some cases a cross reference reconstruction was made considering the collectors, the year of collection and also the origin of other animals gathered...
from the same source. We indicated the subspecies only when the provenance was known or when the taxon was easy to identify.

**Taxonomic notes to annex 1**

We follow Groves (2001) who uses the genus *Galago* for all bush–babies although Grubb et al. (2003) placed all the smaller *Galago* members' of the *demidovii*, *orinus*, *zanzibaricus* and *granti* groups in the *Galagoides*, leaving the *senegalensis* group in *Galago* while the *allenii* group is assigned to *Sciurocheirus*. The genus *Galagoides* includes small forest species with a body mass of less then 200 g, and with shorter limbs and lighter build than the *Galago sensu stricto*.

We retain the genera *Mico* and *Cebuella* as indicated by Rylands et al. (2000), although Groves (2001) and Groves (2005) consider them as subgenera.

*Saguinus*: we follow Groves (2001) and Groves (2005) who considered *S. graellsi* as a full species, while Rylands et al. (2000) consider it a subspecies of *S. mystax*.

*Chlorocebus*: Groves (2001) and Groves (2005) recognizes this genus while Grubb et al. (2003) maintain it in the genus *Cercopithecus*.

*Cercopithecus roloway* is now considered a full species by Groves (2005).

*Semnopithecus achates* is raised to the rank of full species by Walker & Molur (2007) It is synonymous with *S. dussumieri* in Groves (2001). Groves (2005) considers all the taxa
of *Semnopithecus* as a subspecies of *Semnopithecus entellus*. *Nomascus*: we follow the work of Mootnick & Groves (2005) who consider this a full genus.

**Results and discussion**

As the result of the review a total of 57 primates were identified to family, genera or species level. The exhaustive work done during the review has led to many new determinations for several specimens (see annex 1).

The MCNB primate collection houses 347 samples which correspond to 309 specimens. The specimens belong to 11 different families and 39 genera, so the whole series well represents the variability of extant non–human primates containing specimens from Africa, Asia and South and Central America. Due to the unknown provenance of many specimens and to the change in their colouration, a few specimens remain without certain identification.

The Strepsirrhini suborder represents a minor part of the collection (ca. 10%), with 32 specimens (fig. 5). Most of these belong to the Galagidae and Lemuridae families. Most notable is a specimen we assigned provisionally to *Avahi cleevei* (fig. 6), a species recently described by Thalman & Geissman (2005). Its geographical range is still unclear but it seems to have a restricted distribution in Madagascar and it is very likely to be Endangered or Critically Endangered. We do not know the exact site of origin of our specimen so other analyses are needed to confirm this taxonomic identification. The five specimens of *Galago (galagoides) demidoff* from Cameroon are in a good state of preservation, with skin and complete skull.

The variety of the Neotropical primates is well represented in the collection with 83 specimens accounting for 27% of the entire collection, *Cebus, Callithrix* and *Saguinus* being the best represented genera. The collection houses 13 specimens from La Chorrera, a locality in the Andean region of Colombian Amazon (latitude: 0° 43’ 60" S, longitude: 70° 1’ 0" W). These were donated to the museum by the Order of Friars Minor Capuchin and all include the exact place of collection.

Old world monkeys represent the largest section (62%) of the collection, with Cercopithecidae being the best–represented group in the collection, largely account of the high prevalence of *Cercopithecus, Macaca* (fig. 7) and *Mandrillus* specimens. There are 16 Colobinae specimens,
one from the Asian clade and 15 from the African clade. For historical reasons many of these old world monkeys were collected in Equatorial Guinea, a former Spanish colony. In 1919 the Board of the Natural Science Museum in Barcelona decided to support the proposal of Manuel Martinez de la Escalera and his son Fernando Martinez de la Escalera about an expedition to Equatorial Guinea to collect wild animal specimens for the Museum of Natural Science of Barcelona. In this expedition both invertebrates and vertebrates were collected and brought back to the Museum. Of particular interest is a specimen of *Piliocolobus pennanti* (fig. 8) which is stuffed and in good condition. It was probably collected on Bioko Island.

The five specimens in the Hylobatidae family represent the genera *Hylobates* and *Nomascus*. The Hominidae family is represented by 57 specimens.

The presence of many specimens of *Gorilla gorilla*, members of the “Copito de Nieve” family group, donated by the Barcelona Zoo, is especially noteworthy.

Many specimens are included in the Critically Endangered IUCN Categories (IUCN, 2010); these include *Varecia variegata* (Kerr, 1792), *Ateles fusciceps* Gray, 1866, *Saguinus*...
Fig. 7. *Macaca thibetana* received from the Barcelona Zoo.

Fig. 7. *Macaca thibetana* procedente del Zoo de Barcelona.

Fig. 8. *Piliocolobus pennantii* from Bioko Island.

Fig. 8. *Piliocolobus pennantii* procedente de la Isla de Bioko.
oedipus (Linnaeus, 1758), Piliocolobus pennantii (Waterhouse, 1838), Pongo abeli, Lesson 1827, Gorilla gorilla (Savage, 1847).

**Conclusion**

The scientific value of the collection has increased since the review. A total of 83 taxa are represented in the primatological collection of the Natural Science Museum of Barcelona. Although the individual groups have yet to be studied specifically our work can help support the Museum’s educational and scientific commitments. The Primate Collection is, in fact, one of the collections at the MCNB most commonly used by researchers in biology, palaeontology, anthropology and medicine (Gibert et al., 2007; Galbany et al., 2004; Potau et al., 2007).

As stressed by many authors (Capanna, 1996; Bullini 2004; Gippoliti, 2005), modern biological collections play a vital role in biodiversity studies. Historical collections have great importance for understanding present and former diversity at population and species level. Moreover, The materials housed at the NSMB and their fascinating histories connected to zoologists, animal sellers and explorers considerably enhance the history of this wonderful city.

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Annex 1. List of the taxa in primate collection with detail of sample type, sex and age, when available. Also with information of collection (place and date) and with acquisition form: PD. Previous determination; S. Sex; A. Age (Juv. Juvenil; Sa. Subadult; Ad. Adult; Inf. Infant); CP. Collection place; CD. Collection date; Ac. Acquisition (U. Unknown; De. Deposit; Do. Donation; P. Purchase; C. Recollection); SAc. Source of acquisition; AcD. Acquisition date.

Anexo 1. Lista de los taxones representados en la colección de primates con detalle sobre el tipo de muestra, sexo y edad cuando está disponible. Con información también de la recolección (lugar y fecha) y sobre la adquisición de los ejemplares: PD. Determinación previa; S. Sexo; A. Edad (Juv. Juvenil; Sa. Subadulto; Ad. Adulto; Inf. Infantil); CP. Lugar de recolección; CD. Fecha de recolección; Ac. Adquisición (U. Desconocido; De. Depósito; Do. Donación; P. Compra; C. Recolección); SAc. Fuente de adquisición; AcD. Fecha de adquisición.

| Family Number | Taxon                      | PD             | Sample               | S | A   | CP         | CD  | Ac       | SAc      | AcD     |
|---------------|----------------------------|----------------|----------------------|---|-----|------------|-----|----------|----------|---------|
| MZB 82 7095   | Primates                   | Primates      | Postcranial skeleton |   |     |            |     | U        | Unknown  |         |
| MZB 83 0175   | Primates                   | Primates      | Bones                |   |     |            |     | U        | Unknown  |         |

**Infraorder Lemuriformes**

| Family Lemuridae | Taxon                      | PD             | Sample               | S | A   | CP         | CD  | Ac       | SAc      | AcD     |
|------------------|----------------------------|----------------|----------------------|---|-----|------------|-----|----------|----------|---------|
| MZB 82 7447      | *Eulemur sanfordi* vel albifrons | Lemuridae      | Stuffed              | F | Sad |            |     | U        | Unknown  |         |
| MZB 94 0153      | *Eulemur fulvus mayottensis* | *Lemur fulvus* mayottensis | Skin                | F | Ad  | 09 III 1980 | Do  | Barcelona Zoo | 27 I 1994 |         |
| MZB 94 0388      | *Eulemur fulvus mayottensis* | *Lemur fulvus* | Appendicular Ad skeleton |       |     | 1979       | Do  | Barcelona Zoo | 18 IV 1994 |         |
| MZB 94 1037      | *Eulemur fulvus mayottensis* | *Lemur fulvus* mayottensis | Skeleton            | F | Sa  | 09 III 1980 | Do  | Barcelona Zoo | 18 IV 1994 |         |
| MZB 94 1379      | *Eulemur fulvus mayottensis* | *Lemur fulvus* mayottensis | Skeleton            | M | Ad  |            |     | Do       | Barcelona Zoo | 29 IX 1994 |         |
Annex 1 (Cont.)

| Family       | Number | Taxon          | PD        | Sample   | S | A  | CP | CD   | Ac | SAc | AcD |
|--------------|--------|----------------|-----------|----------|---|----|----|------|----|-----|-----|
|              | MZB 97 0046 | *Eulemur macaco* | Skeleton  | M Ad     | 30 I 1997 | Do | Barcelona Zoo | 05 II 1997 |
|              | MZB 82 0536 | *Eulemur rufus* | Stuffed   | M Ad     | U Unknown |
|              | MZB 82 7601 | *Lemur catta* | Stuffed   | F Ad     | Madagascar | P | Antiga College | 30 IV 1888 |
|              | MZB 93 0075 | *Lemur catta* | Skeleton  | Ad       | Do Barcelona Zoo | 28 IX 1993 |
|              | MZB 94 0116 | *Lemur catta* | Skin      | M Ad     | Do Barcelona Zoo | 27 I 1994 |
|              | MZB 82 7609 | *Varecia variegata* | Stuffed | Ad Madagascar | U Unknown |
|              | MZB 82 7610 | *Varecia variegata* | Stuffed | Ad Madagascar | U Unknown |

| Family Indridae |
|-----------------|
| MZB 82 7592 | *Avahi cfr. cleesei* | Stuffed | M Ad Madagascar | P Casa Darder | 31 I 1883 |
| MZB 82 0537 | *Indri indri* | Stuffed | F Ad Madagascar | P Antiga College | 30 IV 1888 |
| MZB 82 7662 | *Propithecus diadema* | Stuffed | Ad Madagascar | U Jaume Balmes Institut |
| MZB 82 7765 | *Propithecus diadema* | Stuffed |

| Infraorder Lorisiformes |
|-------------------------|
| Family Lorisidae |
| MZB 82 0540 | *Loris tardigradus* | Stuffed | M Ad | Sry Lanka (Colombo) | C Collectors | 20 XII 1929 |
Annex 1 (Cont.)

| Family       | Number | Taxon            | PD     | Sample   | S  | A | CP              | CD    | Ac              | SAc | AcD          |
|--------------|--------|------------------|--------|----------|----|---|------------------|-------|-----------------|-----|-------------|
| MZB 82 0541  | Loris  | Loris tardigradus| Stuffed| F Ad     | Sry Lanka (Colombo) | 0 V 1929 | C Collectors | 20 XII 1929 |
| MZB 82 0538  | Nycticebus sp. | Nycticebus coucang | Stuffed | F Ad | Indonesia | P Antiga College | 30 IV 1888 |
| MZB 82 0539  | Perodicticus | Perodicticus | Stuffed | F Ad | U Unknown |  |
| MZB 82 6895  | Perodicticus | Perodicticus | Skull | Equatorial Guinea | C Collectors | |
| MZB 99 1333  | Perodicticus | Perodicticus | Stuffed | F Ad | Do Casp College | 13 IX 1999 | |

Galgidiae

| MZB 82 7414  | Galago alleni | Galago alleni (otolicnus) | Skin | Ad | Equatorial Guinea | 1921 | C Collectors | 1921 |
| MZB 82 0235  | Galago (galagoides) demidoff | Hemigalago demidoff | Skin & skull | Ad | Camerun | P Rowland Ward |
| MZB 82 6896  | Galago (galagoides) demidoff | Hemigalago demidoff | Skin & skull | Ad | Camerun | P Rowland Ward |
| MZB 82 6897  | Galago (galagoides) demidoff | Hemigalago demidoff | Skull | Juv | Camerun | P Rowland Ward | 1919 |
| Number   | Taxon                | PD                      | Sample        | S  | A | CP | CD | Ac | SAc | AcD       |
|----------|----------------------|-------------------------|---------------|----|---|----|----|----|------|-----------|
| MZB 82 7404 | Galago (galagoides) demidoff | Hemigalago demidoff | Skin & skull | M  | Ad | Camerun | P  |     |      | Rowland Ward |
| MZB 82 7408 | Galago (galagoides) demidoff | Hemigalago demidoff | Skin & skull | M  | Ad | Camerun | P  |     |      | Rowland Ward |
| MZB 82 7411 | Galago (galagoides) demidoff | Hemigalago demidoff | Skin & skull | F  | Ad | Camerun | P  |     |      | Rowland Ward |
| MZB 82 7413 | Galago (galagoides) demidoff | Primate | Skin | Juv |     |       |     | U   |      | Unknown   |
| MZB 94 0470 | Otolemur sp. | Hemigalago demidoff | Skeleton |     |     |       | Do | Barcelona Zoo | 18 IV 1994 |
| MZB 82 7090 | Otolemur sp. | Perodicticus potto | Skeleton | Ad |     | 1977 | U  | Barcelona Zoo |       |

**Infraorder Simiformes – Parvorder Platyrhini**

**Family Callitrichidae**

| Number   | Taxon                | PD                      | Sample        | S  | A | CD | Ac | SAc | AcD       |
|----------|----------------------|-------------------------|---------------|----|---|----|----|------|-----------|
| MZB 97 0047 | Callithrix cfr. geoffroyi | Callithrix j. geoffroyi | Skeleton | F  | Sad | 09 I 1997 | Do | Barcelona Zoo | 05 II 1997 |
| MZB 94 1421 | Callithrix cfr. penicillata | Callithrix j. penicillata & other | Skeleton | M  | Ad |     | Do | Barcelona Zoo | 26 IV 1994 |
| MZB 82 7435 | Callithrix jacchus | Callithrix | Stuffed | M  | Ad |     | U  | Unknown |       |
### Annex 1 (Cont.)

**Family**

| Number      | Taxon                  | PD                  | Sample            | S | A  | CP     | CD      | Ac      | SAc     | AcD     |
|-------------|------------------------|---------------------|-------------------|---|----|--------|---------|---------|---------|---------|
| MZB 92 0005 | *Callithrix jacchus*   | Skeleton & skin     | MZB 92 0005      | F | Ad | 1991   | Do      | Barcelona Zoo | 31 I 1992 |
| MZB 92 0486 | *Callithrix jacchus*   | Whole animal alcohol| MZB 92 0486      | Inf | 0 0 | 1992   | Do      | Barcelona Zoo | 06 IX 1995 |
| MZB 95 0838 | *Callithrix jacchus*   | Whole animal alcohol| MZB 95 0838      | Inf | 17 VII 1995 | Do      | Barcelona Zoo | 06 IX 1995 |
| MZB 99 1430 | *Callithrix jacchus*   | Stuffed             | MZB 99 1430      | F | Ad | Brazil  | Do      | Casp College | 13 IX 1999 |
| MZB 2001 0717| *Callithrix jacchus*  | Stuffed             | MZB 2001 0717    | Ad | 11 VII 2001 | Do      | Salesians of Sarrià | 11 VII 2001 |
| MZB 2002 1047| *Callithrix*           | Stuffed             | MZB 2002 1047    | Ad | 19 XI 2002 | Do      | Ana Maria Garcia Alemany | 19 XI 2002 |
| MZB 82 0534 | *Callithrix jacchus*   | Stuffed             | MZB 82 0534      | Juv | Brazil | P       | Casa Unlauff | Unknown |
| MZB 82 7437 | *Callithrix jacchus*   | Stuffed             | MZB 82 7437      | F | Ad | Unknown | U       | Unknown |
| MZB 99 1431 | *Callithrix*           | Stuffed             | MZB 99 1431      | M | Ad | Brazil  | Do      | Casp College | 13 IX 1999 |
| MZB 82 7585 | *Mico argentatus*      | Stuffed             | MZB 82 7585      | M | Ad | South America | U | Unknown |
| MZB 93 0235 | *Mico argentatus*      | Skeleton            | MZB 93 0235      | Sad | 08 VI 1993 | Do      | Barcelona Zoo | 08 VI 1993 |
| MZB 95 0407 | *Mico argentatus*      | Skeleton            | MZB 95 0407      | Ad | 02 IV 1993 | Do      | Barcelona Zoo | 02 IV 1993 |
### Annex 1 (Cont.)

| Family       | Number  | Taxon               | PD       | Sample | S | A | CP        | CD          | Ac            | SAc       | AcD          |
|--------------|---------|---------------------|---------|--------|---|---|----------|-------------|--------------|-----------|--------------|
| Cebuella     | MZB 82 0338 | Cebuella pygmaea    | Skin    | M      | Ad | Ecuador 29 VIII 1931 | P          | Leopoldo Gómez Alonso |
|              |         |                     |         |        |    | (Santa Rosa De Sucumbio) |           |              |           |              |
| Cebuella     | MZB 82 7394 | Cebuella pygmaea    | Skin    | M      | Ad | Ecuador 04 IV 1931    | P          | Leopoldo Gómez Alonso |
|              |         |                     |         |        |    | (Santa Rosa De Sucumbio) |           |              |           |              |
| Cebuella     | MZB 84 9519 | Cebuella pygmaea    | Skull   | M      | Ad | Ecuador 04 IV 1931    | P          | Leopoldo Gómez Alonso |
|              |         |                     |         |        |    | (Santa Rosa De Sucumbio) |           |              |           |              |
| Cebuella     | MZB 94 1165 | Cebuella pygmaea    | Skull   | M      | Ad |         | Do Barcelona Zoo 10 XI 1993 |           |              |           |              |
|              |         |                     |         |        |    |         |                           |           |              |           |              |
| Leontopithecus | MZB 97 0044 | Leontopithecus chrysomelas | Skeleton | M | Ad | 14 I 1997 | Do Barcelona Zoo 05 I 1997 |           |              |           |              |
|             |         | r. chrysomelas      |         |        |    |         |                           |           |              |           |              |
| Leontopithecus | MZB 97 0045 | Leontopithecus chrysomelas | Skeleton | F | Ad | 13 I 1997 | Do Barcelona Zoo 05 II 1997 |           |              |           |              |
|             |         | r. chrysomelas      |         |        |    |         |                           |           |              |           |              |
| Leontopithecus | MZB 93 0034 | Leontopithecus rosalia | Skeleton | Ad |    |         | Do Barcelona Zoo 02 IV 1993 |           |              |           |              |
|             |         | rosalia             |         |        |    |         |                           |           |              |           |              |
| Leontopithecus | MZB 93 0035 | Leontopithecus rosalia | Skeleton | Ad |    |         | Do Barcelona Zoo 02 IV 1993 |           |              |           |              |
|             |         | rosalia             |         |        |    |         |                           |           |              |           |              |
| Leontopithecus | MZB 96 0532 | Leontopithecus rosalia | Skeleton | M | Ad | 07 IV 1996 | Do Barcelona Zoo 08 V 1996 |           |              |           |              |
|             |         | rosalia             |         |        |    |         |                           |           |              |           |              |
| Saguinus     | MZB2003 1566 | Saimiri sciureus    | Skull   | M      | Ad | Colombia 0 XI 1979 | Do Capuchins of Catalunya 23 VII 2003 |           |              |           |              |
| fuscicollis  |         | vel nigricollis     |         |        |    |         |                           |           |              |           |              |
| vel nigricollis |         |                     |         |        |    |         |                           |           |              |           |              |
Annex 1 (Cont.)

| Number                  | Taxon                          | PD                  | Sample       | S | A | CP       | CD           | Ac | SAc | AcD
|-------------------------|--------------------------------|---------------------|--------------|---|---|----------|--------------|----|-----|-----|
| MZB 84 9517 / Saguinus  | fuscicollis lagomotus          | Saguinus fuscicollis| Skin & skull | F | Ad| Ecuador  | 08 I 1934    | C  |     | Collectors |
| MZB 82 7409             |                                |                     |              |   |   |          |              |    |     |     |
| MZB 84 9530 / Saguinus  | fuscicollis                    | Saguinus fuscicollis| Skin & skull | F | Juv|         | U            |    |     | Unknown |
| MZB 82 7401             |                                |                     |              |   |   |          |              |    |     |     |
| MZB 84 9518 / Saguinus  | graellsii                      | Saguinus            | Skin & skull | F | Ad| Ecuador  | 29 X 1931    | P  |     | Collectors |
| MZB 82 7406             |                                |                     |              |   |   |          |              |    |     |     |
| MZB 93 0329             | Saguinus melanoleucus          | Primates            | Stuffed      | Juv|   |         | U            |    |     | Unknown |
| MZB 82 7439             | Saguinus midas                 | Cercopithecus       | Stuffed      | F | Ad| Brazil   | U            |    |     |     |
| MZB 20030496            | Saguinus midas                 | Saguinus midas      | Skeleton     | M | Ad|         | 05 III 2003  | Do |     | Barcelona Zoo |
| MZB 20031909            |                                | Callithrichidae     | Stuffed      | Juv|   | Colombia | Do           |    |     | Capuchins of Catalunya |
| MZB 82 7427             | Saguinus oedipus               | Primates            | Stuffed      | M | Ad|         | U            |    |     | Unknown |
| MZB 99 1432             | Saguinus oedipus               | Saguinus oedipus    | Stuffed      | M | Ad| Colombia | Do           |    |     | Casp College |
| MZB 84 9520 / Saguinus  | tripartitus                    | Leontocebus         | Skin & skull | F | Ad| Ecuador  | 00 I 1935    | P  |     | Leopoldo Gómez Alonso |
| MZB 82 7407             |                                |                     |              |   |   |          |              |    |     |     |
### Annex 1 (Cont.)

#### Family Cebidae

| Number     | Taxon                  | PD          | Sample | S | A | CP      | CD      | Ac      | SAc | AcD              |
|------------|------------------------|-------------|--------|---|---|---------|---------|---------|-----|------------------|
| MZB 82 6894 | Cebus sp.              | Cebus       | Mandibule |   |   |         |         |         |     |                  |
| MZB 83 0147 | Cebus sp.              | Primates    | Mandibule | Juv|   |         |         |         |     |                  |
| MZB 93 0390 | Cebus sp.              | Primates    | Mandibule | Juv|   |         |         |         |     |                  |
| MZB 94 0677 | Cebus sp.              | Primates    | Skeleton  | Ad |   |         |         |         |     | Barcelona Zoo    |
| MZB 2003 1564 | Cebus apella vel albifrons | Cebus   | Skull     |    |   |         | Colombia| Do | Capuchins of Catalunya |
| MZB 2003 1565 | Cebus apella vel albifrons | Cebus   | Skull     |    |   |         | Colombia| Do | Capuchins of Catalunya |
| MZB 82 7332 | Cebus albifrons        | Cebus       | Skin     | M  | Ad|         | Ecuador| P  | Leopoldo Gómez Alonso |
| MZB 82 7589 | Cebus albifrons        | Cebus       | Stuffed  | M  | Juv|         |         | U   | Unknown           |
| MZB 82 7612 | Cebus albifrons        | Cebus apella| Stuffed  | M  | Sad|         |         | U   | Unknown           |
| MZB 94 0365 | Cebus albifrons        | Cebus albifrons  | Skeleton  | F  | Ad|         |         | Do | Barcelona Zoo    |
| MZB 82 7606 | Cebus apella          | Cebus apella | Stuffed  | M  | Ad|         |         | U   | Unknown           |
| MZB 82 7651 | Cebus apella          | Cebus apella | Stuffed  | M  | Sad|         | America| U  | Barcelona Zoo    |
| MZB 94 0362 | Cebus apella          | Cebus apella | Skeleton  | M  | Sad|         |         | Do | Barcelona Zoo    |
| MZB 94 0148 | Cebus capuchinus      | Cebus capuchinus | Skin    | Juv|   |         |         | Do | Barcelona Zoo    |
| MZB 94 0478 | Cebus capuchinus      | Cebus capuchinus | Postcranial skeleton | Juv|   |         |         | Do | Barcelona Zoo    |
### Annex 1 (Cont.)

| Number   | Taxon                      | PD                      | Sample          | S | A | CP          | CD       | Ac      | SAc    | AcD   |
|----------|----------------------------|-------------------------|-----------------|---|---|-------------|----------|---------|--------|-------|
| MZB 94 0648 | *Cebus capuchinus*      | Postcranial skeleton   | Ad              | 17 I 1980 | Do | Barcelona Zoo | 18 IV 1994 |
| MZB 82 0527 | *Cebus olivaceus*      | Stuffed                | M Juv Brazil    | Do | Miguel Vidal Parés | 0 VIII 1909 |
| MZB 94 0375 | *Saimiri sciureus*       | Bones                  | Do | Barcelona Zoo | 18 IV 1994 |
| MZB 95 0382 | *Saimiri sciureus*      | Skeleton                | M Ad            | 22 VII 1995 | Do | Barcelona Zoo | 28 VII 1995 |
| MZB 2004 0052 | *Saimiri sciureus*      | Skeleton                | M Ad            | 02 I 2004 | Do | Barcelona Zoo | 19 I 2004 |
| MZB 2003 1727 | *Saimiri sciureus*      | Skin                   | Ad Colombia (Sibundoy) | Do | Capuchins of Catalunya | 23 VII 2003 |
| MZB 82 0532 | *Saimiri sciureus*      | Stuffed                | M Suriname      | P | Casa Schlüter & Mass |

### Family Pithecidae

| Number   | Taxon                      | PD                      | Sample          | S | A | CP          | CD       | Ac      | SAc    | AcD   |
|----------|----------------------------|-------------------------|-----------------|---|---|-------------|----------|---------|--------|-------|
| MZB 82 0533 | *Cacajao calvus rubicundus* | Stuffed                | F Juv           | U | Unknown |
| MZB 82 0530 | *Pithecia monachus*       | Stuffed                | F Juv           | U | Unknown |
| MZB 2003 1728 | *Pithecia monachus milleri* | Skin                   | Ad Colombia (Sibundoy) | Do | Capuchins of Catalunya | 23 VII 2003 |
| MZB 2003 0495 | *Pithecia pithecia*      | Skeleton                | M Ad            | 05 III 2003 | Do | Barcelona Zoo | 13 III 2003 |
| MZB 2004 0678 | *Pithecia pithecia*      | Skeleton & other         | F Ad            | 07 V 2004 | Do | Barcelona Zoo | 24 V 2004 |
### Family

| Number   | Taxon                  | PD       | Sample          | S | A | CP       | CD       | Ac      | SAc | AcD          |
|----------|------------------------|----------|-----------------|---|---|----------|----------|---------|-----|---------------|
| MZB 2006 0321 | Pithecia pithecia     | Pithecia pithecia | Skeleton & stuffed | M | Ad | 24 XII 2004 | Do | Barcelona Zoo | 29 VI 2006 |

#### Family Atelidae

| Number   | Taxon                  | PD       | Sample          | S | A | CP       | CD       | Ac      | SAc | AcD          |
|----------|------------------------|----------|-----------------|---|---|----------|----------|---------|-----|---------------|
| MZB 82 7157 | Alouatta sp.          | Primates | Mandibule       | Ad | U | Unknown   | Do | Casa Darder  | 22 II 1890 |
| MZB 94 0479 | Alouatta palliata     | Alouatta palliata | Postcranal skeleton | Juv | Do | Barcelona Zoo | 18 IV 1994 |
| MZB 82 0531 | Alouatta seniculus    | Alouatta seniculus | Stuffed          | F | Ad | Brazil    | P       | Casa Darder  | 22 II 1890 |
| MZB 2003 1550 | Alouatta seniculus | Alouatta seniculus | Skull            | M | Ad | Colombia (Sibundoy) | Do | Capuchins of Catalunya | 23 VII 2003 |
| MZB 2003 1551 | Alouatta seniculus | Alouatta seniculus | Skull            | M | Ad | Colombia (Sibundoy) | Do | Capuchins of Catalunya | 23 VII 2003 |
| MZB 2003 1552 | Alouatta seniculus | Alouatta seniculus | Mandibule        | Ad | Do | Capuchins of Catalunya | 23 VII 2003 |
| MZB 2003 1562 | Alouatta seniculus | Alouatta seniculus | Skull            | F | Ad | Colombia (La Chorrera) | Do | Capuchins of Catalunya | 23 VII 2003 |
| MZB 2003 1924 | Alouatta seniculus | Alouatta seniculus | Stuffed          | F | Ad | Colombia   | Do | Capuchins of Catalunya | 23 VII 2003 |
| MZB 91 0234 | Ateles hybridus       | Ateles paniscus | Skeleton         | Inf | Do | Barcelona Zoo | 06 VIII 1991 |
| MZB 94 0643 | Ateles hybridus       | Ateles ater paniscus | Postcranal skeleton | M | Juv | 02 III 1981 | Do | Barcelona Zoo | 18 IV 1994 |
| MZB 94 1040 | Ateles hybridus       | Ateles ater paniscus | Skeleton         | M | Ad | 07 III 1980 | Do | Barcelona Zoo | 18 IV 1994 |
### Annex 1 (Cont.)

#### Family

| Number       | Taxon                          | PD               | Sample       | S  | A  | CP | CD     | Ac | SAc | AcD |
|--------------|--------------------------------|------------------|--------------|----|----|----|--------|----|-----|-----|
| MZB 2001 0467| *Ateles hybridus*              | *Ateles belzebuth hybridus* | Skin         | M  | Ad |    | 0 0 1975 | Do | Barcelona Zoo | 10 IV 2001 |
| MZB 82 7473  | *Ateles cfr. geoffroy*         | *Ateles*         | Stuffed      | Juv |    |    |         | U  | Unknown       |         |
| MZB 94 0166  | *Ateles cfr. geoffroy*         | *Ateles ater*    | Skin         | M  | Inf|    | 02 III 1981 | Do | Barcelona Zoo | 27 I 1994 |
| MZB 82 0535  | *Ateles fusciceps vel geoffroy*| *Ateles paniscus*| Stuffed      | F  | Ad |    |         | Do | Collectors    | 21 II 1891 |
| MZB 94 0429  | *Lagotrich sp.*                | *Lagotrich lagotricha* | Appendicular skeleton | M  | Ad |    | 0 IX 1980 | Do | Barcelona Zoo | 18 IV 1994 |
| MZB 2003 1729| *Lagotrich lagotricha vel lugens*| *Lagotrich*      | Skin         | Ad |    |    |         | Do | Capuchins Of Catalunya | 23 VII 2003 |
| MZB 82 7660  | *Lagotrich cana*               | *Lagotrich lagotricha* | Stuffed      | M  | Ad |    |         | P  | Casa Darder | 22 II 1890 |
| MZB 2003 1563| *Lagotrich lagotricha*         | Primates         | Skull        | F  | Ad |    |         | Do | Capuchins of Catalunya | 23 VII 2003 |

#### Infraorder Simiformes – Parvorder Catarrhini

##### Family Cercopithecidae

| Number       | Cercopithecidae | Cercopithecus torquatus | Skeleton | Subad | U  | Unknown |
|--------------|-----------------|-------------------------|----------|-------|----|---------|
| MZB 82 7093  |                 |                         |          |       |    |         |
Annex 1 (Cont.)

| Family | Number   | Taxon                  | PD          | Sample | S | A | CP  | CD          | Ac     | SAc | AcD       |
|--------|----------|------------------------|-------------|--------|---|---|-----|-------------|--------|-----|-----------|
|        |          | Cercopithecidae        | Skeleton    | F      | Ad |    |     | 16 VIII 1995| Do     |     | 06 IX 1995|
| MZB 95 0837 | Cercopithecidae | *Pithecia pithecia* | Skeleton | F | Ad | | | | 16 VIII 1995 | Do | Barcelona Zoo | 06 IX 1995 |
| MZB 83 0164 | Cercopithecidae | Skull | Juv | | | | | | | U | Unknown | |
| MZB 82 0551 | Cercopithecidae | *Cercopithecus torquatus* | Whole animal alcohol | Foetus | | | | | | U | Unknown | |
| MZB 91 0235 | Cercopithecidae | Skull | M | Ad | | | | | | C | Barcelona Zoo | 06 VIII 1991 | |
| MZB 93 0301 | Cercopithecidae | Skull | M | Ad | | | | | | U | Unknown | |
| MZB 82 7604 | Cercopithecidae | *Cercopithecus hamadryas* | Stuffed | | Juv | | | | | U | Unknown | |
| MZB 82 7605 | Cercopithecidae | *Cercopithecus hamadryas* | Stuffed | | Sad | | | | | U | Unknown | |
| MZB 82 7650 | Cercopithecidae | Stuffed | Ad | | | | | | | U | Unknown | |
| MZB 82 0552 | Cercopithecidae | *Cercopithecus torquatus* | Skull | M | Sad | Gabon | | | | U | Barcelona Zoo (probably) | |
| MZB 82 0554 | Cercopithecidae | *Colobus abyssinicus* | Stuffed | F | Ad | Ethiopi | | | | U | Casa Soler | 26 II 1909 | |
| MZB 82 7144 | Cercopithecidae | *Papio* | Skull | F | Ad | | | | | U | Unknown | |
### Annex 1 (Cont.)

| Number     | Taxon                          | PD                  | Sample          | S | A   | CP | CD      | Ac   | SAc | AcD          |
|------------|--------------------------------|---------------------|-----------------|---|-----|----|---------|------|-----|--------------|
| MZB 82 7724 | Cercocebus torquatus           | Stuffed            | M               | Ad |     |    |         | U    |     | Unknown      |
| MZB 94 0059 | Cercocebus torquatus           | Skin               | F               | Ad |     |    | 26 I 1981 | Do   | Barcelona Zoo | 27 I 1994 |
| MZB 94 1363 | Cercocebus torquatus           | Skeleton           | M               | Juv |     |    | 12 XI 1980 | Do   | Barcelona Zoo | 18 IV 1994 |
| MZB 2000 0286 | Cercocebus torquatus         | Skeleton           | M               | Ad |     |    |         | Do   | Barcelona Zoo | 29 III 2000 |
| MZB 82 7017 | Cercopithecus sp. Primates    | Skull & other      | Inf             |     |     |    |         | U    |     | Unknown      |
| MZB 82 7050 | Cercopithecus sp. Primates    | Skeleton           | Sad             |     |     |    |         | U    |     | Unknown      |
| MZB 91 0315 | Cercopithecus sp. Cercopithecus torquatus | Skeleton       |     |     |    |         | Do   | Barcelona Zoo | 06 VIII 1991 |
| MZB 93 0358 | Cercopithecus sp. Cebidae     | Skeleton           | M               | Ad |     |    |         | U    |     | Barcelona Zoo |
| MZB 82 7148 | Cercopithecus cfr. nictitans  | Skull              | M               | Ad |     |    |         | U    |     | Unknown      |
| MZB 94 1039 | Cercopithecus ascaniust       | Postcranial skeleton | M               | Sad |     | 1976 | Do   | Barcelona Zoo | 18 IV 1994 |
| MZB 82 7590 | Cercopithecus cephus          | Stuffed            | Juv             |     |     |    |         | U    |     | Unknown      |
| MZB 82 7657 | Cercopithecus cephus          | Stuffed            | Ad              |     |     |    |         | U    |     | Unknown      |
### Annex 1 (Cont.)

| Family          | Number    | Taxon             | PD       | Sample  | S | A | CP       | CD   | Ac       | SAc | AcD                      |
|-----------------|-----------|-------------------|----------|---------|---|---|----------|------|----------|-----|--------------------------|
| MZB 93 0389     | Cercopithecus cephus | Primates         | Stuffed | F       | Juv|   |          | U    | Unknown              |     |                          |
| MZB 94 0722     | Cercopithecus cephus | Cercopithecus cephus | Mandibule | Sad    |    |   |          | Do   | Barcelona Zoo | 18 IV 1994 |                          |
| MZB 82 7622     | Cercopithecus diana | Cercopithecus diana | Stuffed | M       | Ad |   |          | U    | Unknown              |     |                          |
| MZB 94 0168     | Cercopithecus diana | Cercopithecus diana | Skin    | M       | Ad |   |          | 1979 | Do Barcelona Zoo | 27 I 1994 |                          |
| MZB 94 0169     | Cercopithecus erythrotis | Cercopithecus erythrotis | Other  | Ad     |    |   |          | Do   | Barcelona Zoo | 27 I 1994 |                          |
| MZB 82 0549     | Cercopithecus erythrotis | Cercopithecus erythrotis | Stuffed | Juv    |    |   |          | U    | Unknown              |     |                          |
| MZB 82 7475     | Cercopithecus erythrotis | Cercopithecus erythrotis | Stuffed | Juv Equatorial Guinea |    |   |          | U    | Unknown              |     |                          |
| MZB 82 7151     | Cercopithecus ihoesti | Cercopithecus | Skull   | M       | Ad |   |          | 1976 | U Barcelona Zoo |     |                          |
| MZB 94 0361     | Cercopithecus nictitans | Cercopithecus nictitans | Postcranial skeleton | F     | Sad|   |          | 0 0 1989 | Do Barcelona Zoo | 18 IV 1994 |                          |
| MZB 20040193    | Cercopithecus nictitans martini | Cercopithecus nictitans | Skeleton | M     | Ad |   |          | 09 II 2004 | Do Barcelona Zoo | 23 II 2004 |                          |
| MZB 82 7614     | Cercopithecus petaurista | Cercopithecus albogularis | Stuffed | F       | Juv | África | C | Collectors | 11 II 1898 |                          |
### Annex 1 (Cont.)

| Number     | Taxon                                      | PD          | Sample     | S | A   | CP | CD  | Ac | SAc | AcD | Date               | Location           | Remarks             |
|------------|--------------------------------------------|-------------|------------|---|-----|----|-----|----|-----|-----|--------------------|--------------------|--------------------|
| MZB 82 7616 | *Cercopithecus petaurista buettikoferi*    | Stuffed     | M          | Ad |     |    |     |    |     |     | U                  | Unknown            |                    |
| MZB 94 0014 | *Cercopithecus petaurista buettikoferi*    | Skin        | M          | Sad|     |    | 1979| Do | Barcelona Zoo      | 27 I 1994          |                    |
| MZB 94 0165 | *Cercopithecus petaurista petaurista*      | Skin        | M          | Ad |     |    |     |    |     |     | Do Barcelona Zoo   | 27 I 1994          |                    |
| MZB 94 1169 | *Cercopithecus diana vel roloway*          | Postcranial | Juv        |    |     |    |     |    |     |     | Do Barcelona Zoo   | 10 XI 1993         |                    |
| MZB 82 0550 | *Chlorocebus sp.*                          | Mounted     | Sad        |    |     |    |     |    |     |     | U                  | Unknown            |                    |
| MZB 82 7145 | *Chlorocebus sp.*                          | Skull       | M          | Ad |     |    |     |    |     |     | U                  | Unknown            |                    |
| MZB 82 7596 | *Chlorocebus cfr. aethiops*                | Stuffed     | M          | Ad |     |    |     |    |     |     | U                  | Unknown            |                    |
| MZB 82 7603 | *Chlorocebus sabaeus*                      | Stuffed     | F          | Ad |     |    |     |    |     |     | U                  | Unknown            |                    |
| MZB 82 7611 | *Chlorocebus sabaeus*                      | Stuffed     | F          | Juv|     |    |     |    |     |     | U                  | Unknown            |                    |
| MZB 82 7613 | *Chlorocebus sabaeus*                      | Stuffed     | M          | Ad |     |    |     |    |     |     | U                  | Unknown            |                    |
| MZB 94 0045 | *Chlorocebus tantalus*                     | Skin        | M          | Ad |     |    | 1980| Do | Barcelona Zoo      | 27 I 1994          |                    |
| Number  | Taxon               | Species                     | PD          | Sample         | S  | A    | CP   | CD      | Ac  | SAc | AcD           |
|---------|---------------------|-----------------------------|-------------|----------------|----|------|------|---------|-----|-----|----------------|
| MZB 94 1171 | Chlorocebus tantalus      | Cercopithecus aethiops | Postcranial skeleton | M  | Ad   |      | 26 II 1980 | Do  | Barcelona Zoo | 10 XI 1993 |
| MZB 82 7661 | Erythrocebus patas      | Erythrocebus patas          | Stuffed     | M  | Ad   |      |         | U   | Unknown       |               |
| MZB 82 7723 | Erythrocebus patas      | Erythrocebus patas          | Stuffed     | M  | Ad   |      |         | U   | Unknown       |               |
| MZB 91 0236 | Erythrocebus patas      | Erythrocebus patas          | Skeleton    | F  | Ad   |      | 1991     | C   | Barcelona Zoo | 06 VIII 1991 |
| MZB 94 0046 | Erythrocebus patas      | Erythrocebus patas          | Skin        | M  | Ad   |      |         | Do  | Barcelona Zoo | 27 I 1994    |
| MZB 94 0117 | Erythrocebus patas      | Erythrocebus patas          | Skin        | M  | Ad   |      | 28 II 1980 | Do  | Barcelona Zoo | 27 I 1994    |
| MZB 94 1060 | Erythrocebus patas      | Erythrocebus patas          | Bones       | F  | Juv  |      | 0 III 1980 | Do  | Barcelona Zoo | 18 IV 1994   |
| MZB 94 1175 | Erythrocebus patas      | Erythrocebus patas          | Postcranial skeleton | F  | Juv  |      | 23 III 1980 | Do  | Barcelona Zoo | 10 XI 1993   |
| MZB 94 1177 | Erythrocebus patas      | Erythrocebus patas          | Skeleton    | M  | Ad   |      |         | Do  | Barcelona Zoo |               |
| MZB 94 1381 | Erythrocebus patas      | Erythrocebus patas          | Skeleton    | M  | Juv  |      |         | Do  | Barcelona Zoo |               |
| MZB 99 1441 | Erythrocebus patas      | Cercopithecus               | Stuffed     | F  | Juv  |      |         | Do  | Casp College  | 13 IX 1999   |
| MZB 82 0528 | Macaca sp.            | Cebus                       | Mounted skeleton | Juv |      | South America | Do  | Luis Soler Pujol | 02 IV 1907   |
### Annex 1 (Cont.)

| Number     | Taxon            | PD    | Sample       | S  | A | CP       | CD          | Ac     | SAc | AcD       |
|------------|------------------|-------|--------------|----|---|----------|-------------|--------|-----|-----------|
| MZB 82 0529 | Macaca sp.       | Cebus | Mounted skeleton | Inf |   | South America | Do | Lluís Soler Pujol | 02 IV 1907 |
| MZB 82 0558 | Macaca sp.       | Macaca | Mounted skeleton | M  | Sad |   | U | Unknown |
| MZB 82 7143 | Macaca sp.       | Papio | Skull         |   |   |   | U | Unknown |
| MZB 82 7147 | Macaca sp.       | Primates | Skull      |   |   |   | U | Unknown |
| MZB 82 7149 | Macaca sp.       | Papio | Skull         | M  | Ad |   | U | Unknown |
| MZB 82 7155 | Macaca sp.       | Papio | Skull         |   |   | Juv | U | Unknown |
| MZB 82 7156 | Macaca sp.       | Primates | Skull      | M  | Ad |   | U | Unknown |
| MZB 90 0113 | Macaca sp.       | Primates | Skull      |   |   | Juv | U | Unknown |
| MZB 82 7438 | Macaca fascicularis | Macacus carbonarius | Stuffed | F  | Inf | Àfrica | Do | Collectors |
| MZB 82 7571 | Macaca fascicularis | Macaca | Stuffed        | M  | Sad |   | U | Unknown |
| MZB 82 7608 | Macaca fascicularis | Cercopithecidae | Stuffed  | M  | Ad |   | U | Unknown |
| MZB 82 7619 | Macaca fascicularis | Cercopithecidae | Stuffed  | M  | Ad |   | U | Unknown |
| MZB 82 7621 | Macaca fascicularis | Cebus | Stuffed        | F  | Sad |   | U | Unknown |
| MZB 94 1038 | Macaca fascicularis | Macaca fascicularis | Postcranial skeleton | M  | Juv |   | 09 VI 1980 | Do | Barcelona Zoo | 18 IV 1994 |
| Family | Number | Taxon | PD | Sample   | S | A | CP | CD | Ac  | SAc | AcD      |
|--------|--------|-------|----|----------|---|---|----|----|-----|-----|----------|
|        | MZB 97 0313 | *Macaca fascicularis* | Cercopithecidae | Stuffed | M | Ad |     |     | Do  | Juan Gómez | 30 IV 1997 |
|        | MZB 99 1434 | *Macaca fascicularis* | Cercopithecidae | Stuffed | M | Juv |     |     | Do  | Casp College | 13 IX 1999 |
|        | MZB 99 1435 | *Macaca fascicularis* | Cercopithecidae | Stuffed | Juv |     |     |     | Do  | Casp College | 13 IX 1999 |
|        | MZB 99 1437 | *Macaca fascicularis* | Cercopithecidae | Stuffed | F | Ad  |     |     | Do  | Casp College | 13 IX 1999 |
|        | MZB 99 1442 | *Macaca fascicularis* | Cercopithecidae | Stuffed | Juv |     |     |     | Do  | Casp College | 13 IX 1999 |
|        | MZB 99 1445 | *Macaca fascicularis* | Cercopithecidae | Stuffed | Inf |     |     |     | Do  | Casp College | 13 IX 1999 |
|        | MZB 82 7154 | *Macaca cfr. nemestrina* | *Papio* | Skull   | M | Ad  |     |     | U   | Unknown     |           |
|        | MZB 82 7618 | *Macaca nemestrina* | Cercopithecidae | Stuffed | M | Ad  |     |     | U   | Unknown     |           |
|        | MZB 82 0557 | *Macaca silenus* | *Macaca silenus* | Stuffed | F | Ad  |     |     | U   | Unknown     |           |
|        | MZB 82 7598 | *Macaca sylvanus* | *Inus sylvanus* | Stuffed | Juv | Àfrica |     |     | P   | Casa Darder | 31 I 1883 |
|        | MZB 82 7620 | *Macaca sylvanus* | *Inus sylvanus* | Stuffed | M | Juv | Morocco | 1884 | P   | Casa Darder | 01 XII 1884 |
|        | MZB 94 0434 | *Macaca sylvanus* | *Macaca sylvanus* | Skeleton | M | Ad  |     |     | Do  | Barcelona Zoo |           |
## Annex 1 (Cont.)

### Family

| Number     | Taxon                  | PD       | Sample    | S | A | CP            | CD    | Ac      | SAc | AcD          |
|------------|------------------------|----------|-----------|---|---|----------------|-------|---------|-----|--------------|
| MZB 2001 0685 | *Macaca sylvanus*     | Skull    | Azrou     | F | Ad| 23 V 2001     | C     | Collectors | 15 VI 2001 |
| MZB 2001 0686 | *Macaca sylvanus*     | Skull & other | Azrou     | M | Ad| 23 V 2001     | C     | Collectors | 15 VI 2001 |
| MZB 2001 0690 | *Macaca sylvanus*     | Skull    | Azrou     | M | Ad| 23 V 2001     | C     | Collectors | 15 VI 2001 |
| MZB 2007 0497 | *Macaca sylvanus*     | Skull    | Morocco   | M | Ad| 08 VII 2007   | Do    | Collectors | 02 VIII 2007|
| MZB 2007 0498 | *Macaca sylvanus*     | Skull    | Morocco   | M | Ad| 08 VII 2007   | Do    | Collectors | 02 VIII 2007|
| MZB 2002 0789 | *Macaca thibetana*    | Skeleton & stuffed | Barcelona Zoo | M | Ad| 18 XI 2002   | Do    | Barcelona Zoo | 19 XI 2002 |
| MZB 82 7584 | *Miopithecus cfr. agouensis* | Stuffed | U      |   |   |                 |       | Unknown          |
| MZB 82 0339 | *Miopithecus agouensis* | Skin     | U      |   |   |                 |       | Unknown          |
| MZB 82 7456 | *Miopithecus agouensis* | Stuffed  | F      | Juv|   |                 | U     | Unknown          |
| MZB 2001 0733 | *Miopithecus agouensis* | Stuffed  | M      | Juv|   |                 | Do    | Salesians of Sarrià | 11 VII 2001 |
| MZB 82 7640 | *Papio vel mndrillus* | Mandibule | U      |   |   |                 |       | Unknown          |
Family

| Number    | Taxon                          | PD          | Sample            | S | A | CP | CD | Ac | SAc | AcD                  |
|-----------|--------------------------------|-------------|-------------------|---|---|----|----|----|------|----------------------|
| MZB 82 7101 | Cercopithecinae               | Primates    | Postcranial skeleton | M | Ad |     |    |    |                  |                      |
| MZB 82 0559 | *Mandrillus leucophaeus*     | *Papio leucophaeus* | Stuffed          | M | Ad |     |    |    |                  |                      |
| MZB 82 7086 | *Mandrillus leucophaeus*     | *Papio leucophaeus* | Bones            | F | Juv | 1977 | U | Barcelona Zoo |                      |
| MZB 91 0316 | *Mandrillus leucophaeus*     | *Papio leucophaeus* | Skeleton         | F | Juv |     |    |    |                  |                      |
| MZB 94 0152 | *Mandrillus leucophaeus*     | *Papio leucophaeus* | Skin             | F | Ad | 18 XI 1985 | Do | Barcelona Zoo | 27 I 1994            |
| MZB 96 0412 | *Mandrillus sphinx*          | *Papio sphinx* | Skeleton         | F | Ad |        |    |    |                  |                      |
| MZB 2006 0322 | *Mandrillus sphinx*        | *Papio sphinx* | Skeleton & other | M | Ad | 22 VI 2006 | Do | Barcelona Zoo | 29 VI 2006          |
| MZB 82 0556 | *Mandrillus sphinx*          | *Papio sphinx* | Other            | M | Ad |       |    |    |                  |                      |
| MZB 82 7092 | *Mandrillus sphinx*          | *Papio sphinx* | Skull            | M | Ad | Equatorial Guinea | U | Collectors |                      |
| MZB 82 7128 | *Mandrillus sphinx*          | *Papio sphinx* | Skull            | F | Ad | 1974  | U | Barcelona Zoo |                      |
| MZB 82 7163 | *Mandrillus sphinx*          | *Papio sphinx* | Skull            | M | Ad |                  |    |    |                  |                      |
| MZB 82 7716 | *Mandrillus sphinx*          | *Papio sphinx* | Stuffed          | M | Ad |                  |    |    |                  |                      |
| MZB 94 0364 | *Mandrillus sphinx*          | *Papio sphinx* | Postcranial skeleton | M | Ad |        |    |    |                  | Do Barcelona Zoo | 18 IV 1994           |
| MZB 94 0672 | *Mandrillus sphinx*          | *Papio sphinx* | Postcranial skeleton | F | Ad |                  |    |    |                  | Do Barcelona Zoo | 18 IV 1994           |
Annex 1 (Cont.)

| Number       | Taxon               | PD                  | Sample          | S | A    | CP  | CD     | Ac | SAc | AcD   |
|--------------|---------------------|---------------------|-----------------|---|------|-----|--------|----|-----|-------|
| MZB 94 0748  | Mandrillus sphinx   | Papio sphinx        | Appendicular    | M | Sad  |     | 23 XI 1983 | Do | Barcelona Zoo | 18 IV 1994 |
| MZB 94 0818  | Mandrillus sphinx   | Papio sphinx        | Skeleton        | F | Ad   |     |        | Do | Barcelona Zoo | 18 IV 1994 |
| MZB 94 0828  | Mandrillus sphinx   | Papio hamadryas     | Postcranial     | M | Ad   |     |        | Do | Barcelona Zoo | 26 IV 1994 |
| MZB 96 0411  | Mandrillus sphinx   | Papio sphinx        | Skeleton        | F | Juv  |     | 08 III 1996 | Do | Barcelona Zoo | 29 III 1996 |
| MZB 2002 0788| Mandrillus sphinx   | Papio sphinx        | Skeleton        | M | Ad   |     | 06 XI 2002 | Do | Barcelona Zoo | 08 XI 2002  |
| MZB 82 7247  | Papio sp.           | Primates            | Mandibule       |   |      |     |        | U  | Unknown |       |
| MZB 82 7307  | Papio sp.           | Papio hamadryas     | Skull           |   | Ad   |     |        | U  | Unknown |       |
| MZB 94 1380  | Papio sp.           | Papio               | Skeleton        | F | Ad   |     |        | Do | Barcelona Zoo | 29 IX 1994  |
| MZB 82 0564  | Papio cfr. hamadryas| Papio papio         | Mounted skeleton| F | Ad   | Ethiopia | 1921 | U  | Barcelona Zoo (probably) | 0 0 1921 |
| MZB 82 7624  | Papio hamadryas     | Papio papio         | Stuffed         | F | Sad  | Àfrica |        | U  | Barcelona Zoo (probably) | 15 VI 1907 |
| MZB 82 7752  | Papio hamadryas     | Papio hamadryas     | Stuffed         | M | Ad   | Ethiopia |      | U  | Barcelona Zoo (probably) |       |
| MZB 82 7767  | Papio hamadryas     | Papio hamadryas     | Stuffed         | M | Ad   | Ethiopia |      | U  | Barcelona Zoo (probably) |       |
| MZB 89 0022  | Papio hamadryas     | Papio hamadryas     | Skeleton        | M | Ad   |     |        | Do | Barcelona Zoo | 0 III 1989  |
| MZB 92 0116  | Papio hamadryas     | Papio hamadryas     | Skeleton        | M | Ad   |     |        | Do | Barcelona Zoo | 13 I 1993   |
### Annex 1 (Cont.)

#### Family

| Number   | Taxon                  | PD               | Sample       | S   | A | CP | CD          | Ac | SAc | AcD  |
|----------|------------------------|------------------|--------------|-----|---|----|-------------|----|-----|------|
| MZB 94 0372 | *Papio hamadryas*      | *Papio hamadryas* | Appendicular | Sad |   |    |             | Do |     |      |
| MZB 82 7745 | *Papio papio*         | *Papio*          | Stuffed      | M   | Ad|    |             | U  |     |      |
| MZB 82 7306 | Colobinae             | Primates         | Skull        | Inf |   |    |             | U  |     |      |
| MZB 94 1389 | *Colobus sp.*         | *Macaca sylvanus* | Skeleton     | M   | Ad|    |             | Do |     |      |
| MZB 90 0138 | *Colobus cfr. guereza* | Primates         | Skull        | Ad  |   |    |             | U  |     |      |
| MZB 82 7748 | *Colobus guereza*     | *Colobus guereza* | Stuffed      | M   | Ad|    |             | U  |     |      |
| MZB 95 0353 | *Colobus guereza*     | *Colobus guereza* | Skeleton     | M   | Juv|    | 25 VI 1995 | Do |     | 18 VII 1995 |
| MZB 98 0014 | *Colobus guereza*     | *Colobus guereza* | Skeleton     | M   | Juv|    | 05 I 1998 | Do |     | 16 II 1998 |
| MZB 98 0015 | *Colobus guereza*     | *Colobus guereza* | Skeleton     | F   | Ad|    | 08 II 1998 | Don|     | 16 II 1998 |
| MZB 82 0553 | *Colobus guereza*     | *Colobus guereza* | Stuffed      | M   | Ad|    | Gabon      | P  |     | 09 V 1889 |
| MZB 82 8251 | *Colobus satanas*      | *Colobus guereza* | Stuffed      | Ad  |   |    | Equatorial Guinea | U  |     | Collectors |
| MZB 82 8252 | *Colobus satanas*      | *Colobus guereza* | Stuffed      | Ad  |   |    | Equatorial Guinea | U  |     | Collectors |
| MZB 82 8253 | *Colobus satanas*      | *Colobus guereza* | Stuffed      | Ad  |   |    | Equatorial Guinea | U  |     | Collectors |
| MZB 82 8254 | *Colobus satanas*      | *Colobus guereza* | Stuffed      | Inf |   |    |             | P  |     | Casa Unlauff |
| Number       | Taxon                   | PD       | Sample       | S  | A  | CP | CD | Ac   | SAc | AcD  |
|--------------|-------------------------|----------|--------------|----|----|----|----|------|-----|------|
| MZB 82 0555  | *Piliocolobus pennanti*|Stuffed   | Colobus      | M  | Ad |    |    | U    | Unknown |     |
| MZB 82 7733  | *Semnopithecus cfr. achates*| Stuffed  | Primates     | M  | Ad | Asia |    | U    | Unknown |     |

**Family Hylobatidae**

| Number       | Taxon                   | PD       | Sample       | S  | A  | CD | Ac   | SAc | AcD  |
|--------------|-------------------------|----------|--------------|----|----|----|------|-----|------|
| MZB 82 7031  | *Hylobates sp.*         |          | Postcranial  | Ad |    |    | U    |     | Unknown |     |
| MZB 82 0546  | *Hylobates lar*         |          | Stuffed      | M  | Ad |    | U    | Unknown |     |
| MZB 82 7617  | *Hylobates lar*         |          | Stuffed      | F  | Ad |    | U    | Unknown |     |
| MZB 94 0363  | *Hylobates lar*         |          | Skeleton     | Juv|    |    | Do   | Barcelona Zoo 18 IV 1994 |     |
| MZB 82 0542  | *Nomascus gabriellae cfr. siki*| Stuffed | *Hylobates concolor*| M  | Juv|    | U    | Unknown |     |

**Family Hominidae**

| Number       | Taxon                   | PD       | Sample       | S  | A  | CD | Ac   | SAc | AcD  |
|--------------|-------------------------|----------|--------------|----|----|----|------|-----|------|
| MZB 85 0243  | Hominidae               |          | Bones        |    |    |    | U    |     | Unknown |     |
| MZB 82 7302  | *Pan vel pongo*         |          | *Pan troglodytes*| Skeleton | M  | Juv| U    | Unknown |     |
| MZB 82 7174  | *Pan vel gorilla*       |          | *Pan troglodytes*| Skeleton | Juv|    | U    | Unknown |     |
| MZB 82 0562  | *Gorilla sp.*           |          | Skull        | Juv|    |    | U    | Unknown |     |
| MZB 82 7170  | *Gorilla sp.*           |          | Mandible     | Juv|    |    | 1974 | U Barcelona Zoo |     |
| MZB 82 0543  | *Gorilla cfr. gorilla*  |          | Skull        | F  | Juv|    | U    | Unknown |     |
| MZB 82 0544  | *Gorilla cfr. gorilla*  |          | Bones        | Inf|    |    | U    | Unknown |     |
| Number   | Taxon                  | PD            | Sample               | S | A  | CP | CD | Ac  | SAc | AcD |
|----------|-----------------------|---------------|----------------------|---|-----|----|----|-----|-----|-----|
| MZB 82 0548 | Gorilla cfr. gorilla | Gorilla gorilla | Mounted skeleton     | Juv |     |    |    | U   |     |     |
| MZB 94 1075 | Gorilla cfr. gorilla | Gorilla gorilla | Bones               | M Juv |     |    |    | U   | Do  | Barcelona Zoo 18 IV 1994 |
| MZB 82 0545 | Gorilla gorilla      | Gorilla gorilla | Skull               | M Ad   |     |    |    | U   | Do  | Unknown |
| MZB 82 0561 | Gorilla gorilla      | Gorilla gorilla | Skull               | M Ad   |     |    |    | U   | Do  | Unknown |
| MZB 82 7153 | Gorilla gorilla      | Gorilla gorilla | Mandible            | M Ad   | 1970 |    | U   | Barcelona Zoo |
| MZB 82 7200 | Gorilla gorilla      | Gorilla gorilla | Postcranial skeleton| Juv | 1973 | Do  | Barcelona Zoo 1973 |
| MZB 82 7225 | Gorilla gorilla      | Gorilla gorilla | Skull               | M Ad   |     |    |    | U   | Do  | Unknown |
| MZB 82 7799 | Gorilla gorilla      | Gorilla gorilla | Postcranial skeleton| M Sad  | 1971 | Do  | Barcelona Zoo 1971 |
| MZB 93 0008 | Gorilla gorilla      | Gorilla gorilla | Skeleton            | F Ad   | 19 VII 1989 | Do  | Barcelona Zoo 21 II 1992 |
| MZB 94 0468 | Gorilla gorilla      | Gorilla gorilla | Postcranial skeleton| M Juv  |     | Do  | Barcelona Zoo 18 IV 1994 |
| MZB 94 0469 | Gorilla gorilla      | Gorilla gorilla | Postcranial skeleton| F Juv  |     | Do  | Barcelona Zoo 18 IV 1994 |
| MZB 94 0642 | Gorilla gorilla      | Gorilla gorilla | Skeleton            | M Inf  | 06 XI 1985 | Do  | Barcelona Zoo 18 IV 1994 |
| MZB 96 0862 | Gorilla gorilla      | Gorilla gorilla | Skeleton            | F Ad   | 09 IX 1996 | Do  | Barcelona Zoo 03 X 1996 |
| MZB 97 0053 | Gorilla gorilla      | Gorilla gorilla | Skeleton & other    | F Ad   | 06 II 1997 | Do  | Barcelona Zoo 10 II 1997 |
| Family       |
|-------------|

| Number | Taxon          | PD               | Sample        | S  | A    | CP  | CD       | Ac      | SAc   | AcD  |
|---------|----------------|------------------|---------------|----|------|-----|----------|---------|-------|------|
| MZB 99 1309 | *Gorilla gorilla* | *Gorilla gorilla* | Mounted skeleton | M  | Ad   |     |          | Do      |       |      |
| MZB 2001 0681 | *Gorilla gorilla* | *Gorilla gorilla* | Skeleton      | M  | Inf  | 16 VIII 2001 | Do     | Barcelona Zoo | 21 VIII 2001 |
| MZB 2002 1261 | *Gorilla gorilla* | *Gorilla gorilla* | Skin          | M  | Ad   |      |          | Do      | Barcelona Zoo | 11 XII 2002 |
| MZB 2003 1582 | *Gorilla gorilla* | *Gorilla gorilla* | Skeleton      | M  | Ad   | 24 XI 2003 | Do     | Barcelona Zoo | 10 XII 2003 |
| MZB 2003 0544 | *Gorilla gorilla* | *Gorilla gorilla* | Skeleton & stuffed | M  | Ad   | 13 IV 2003 | Do     | Barcelona Zoo | 15 IV 2003 |
| MZB 82 0547 | *Pan sp.* | *Gorilla gorilla* | Skull         | Juv |       | Equatorial Guinea | Do | Collectors | 22 II 1888 |
| MZB 83 0170 | *Pan sp.* | Pongidae | Mandible | Juv |       | U | Unknown |  |
| MZB 82 7100 | *Pan cfr. troglodytes* | *Pan troglodytes* | Skull | Juv |       | U | Unknown |  |
| MZB 82 0565 | *Pan troglodytes* | *Pan troglodytes* | Mounted skeleton | Juv |       | U | Unknown |  |
| MZB 82 7721 | *Pan troglodytes* | *Pan troglodytes* | Stuffed | M  | Sd   | U | Unknown |  |
| MZB 82 7753 | *Pan troglodytes* | *Pan troglodytes* | Stuffed | M  | Juv  | U | Jaume Balmes Institut |  |
| MZB 82 7764 | *Pan troglodytes* | *Pan troglodytes* | Stuffed | F  | Juv  | U | Unknown |  |
| MZB 88 0026 | *Pan troglodytes* | *Pan troglodytes* | Skull | F  | Ad   | Do | Teresa Ràfols Vda. Juvr | 10 VI 1988 |
| MZB 90 0066 | *Pan troglodytes* | *Pan troglodytes* | Skeleton | M  | Ad   | 0 IX 1990 | Do | Barcelona Zoo |  |
| MZB 93 0074 | *Pan troglodytes* | *Pan troglodytes* | Skeleton | F  | Ad   | Do | Barcelona Zoo | 28 IX 1993 |
| MZB 94 0353 | *Pan troglodytes* | *Pan troglodytes* | Postcranial skeleton | M  |       | Do | Barcelona Zoo | 18 IV 1994 |

Annex 1 (Cont.)
### Annex 1 (Cont.)

**Family**

| Number     | Taxon                   | PD         | Sample     | S  | A | CP | CD       | Ac | SAc | AcD |
|------------|-------------------------|------------|------------|----|---|----|----------|----|-----|-----|
| MZB 95 0258 | *Pan troglodytes*      | Skeleton   | M          | Ad |    |    | 10 III 1995 | Do | Barcelona Zoo | 17 III 1995 |
| MZB 96 0863 | *Pan troglodytes*      | Skeleton   | F          | Sad|    |    | 17 IX 1996  | Do | Barcelona Zoo | 03 X 1996  |
| MZB 2000 0282 | *Pan troglodytes*     | Skeleton   | F          | Ad |    |    | 23 III 2000 | Do | Barcelona Zoo | 29 III 2000 |
| MZB 2005 0455 | *Pan troglodytes*     | Skull      | F          | Sad|    | Equatorial Guinea (Bata) | Do | M. Teresa Brugé Medardo | 07 VII 2005 |
| MZB 99 1311 | *Pongo sp.*            | Stuffed    | F          | Juv|    |    | Do Casp College |    | 13 IX 1999  |
| MZB 82 7246 | *Pongo sp.*            | Skeleton   | F          | Juv|    |    | U Barcelona Zoo |    | 18 IV 1994  |
| MZB 94 0358 | *Pongo cfr. abellii*   | Skeleton   | F          | Juv|    |    | D Barcelona Zoo |    | 19 XI 1991  |
| MZB 91 0218 | *Pongo cfr. abellii*   | Postcranial skeleton | F      | Ad |    |    | Do Barcelona Zoo |    | 19 XI 1991  |
| MZB 94 0703 | *Pongo abellii*        | Postcranial skeleton | F      | Ad |    |    | Do Barcelona Zoo |    | 18 IV 1994  |
| MZB 94 0459 | *Pongo abellii*        | Appendicular skeleton | M      | Juv|    |    | Do Barcelona Zoo |    | 18 IV 1994  |
| MZB 94 0700 | *Pongo abellii*        | Postcranial skeleton | Juv    |    |    |    | Do Barcelona Zoo |    | 18 IV 1994  |
| MZB 2001 0286 | *Pongo pygmaeus*    | Skeleton   | M          | Ad |    |    | 11 VI 2001   | Do | Barcelona Zoo | 18 VI 2001 |