Table S4. Subject information. Asterisks indicate participation in an experiment. MPI: Max Planck Institute; ISTC-CNR: Institute of Cognitive Sciences and Technologies; UC: University of California. (a): Age at time of A not B test; (b) Age at time of cylinder test.

| **Species** | **Population** | **Subject** | **Sex** | **Age** | **Cylinder** | **A not B** |
| --- | --- | --- | --- | --- | --- | --- |
| Asian elephant | Golden Triangle Asian Elephant Foundation | Am | F | 3 | - | \* |
| Asian elephant | Golden Triangle Asian Elephant Foundation | Bo | F | 33 | - | \* |
| Asian elephant | Golden Triangle Asian Elephant Foundation | NamFon | F | 10 | - | \* |
| Asian elephant | Golden Triangle Asian Elephant Foundation | Pepsi | M | 10 | - | \* |
| Asian elephant | Golden Triangle Asian Elephant Foundation | Ploy | F | 16 | - | \* |
| Asian elephant | Golden Triangle Asian Elephant Foundation | Puki | M | 40 | - | \* |
| Asian elephant | Golden Triangle Asian Elephant Foundation | TangMo | F | 4 | - | \* |
| aye aye | Duke Lemur Center | Angelique | F | 5 | \* | - |
| aye aye | Duke Lemur Center | Ardrey | F | 14 | \* | - |
| aye aye | Duke Lemur Center | Caliban | F | 16 | \* | - |
| aye aye | Duke Lemur Center | Hitchcock | M | 5 | \* | - |
| aye aye | Duke Lemur Center | Kali | F | 12 | \* | - |
| aye aye | Duke Lemur Center | Lucrezia | F | 9 | \* | - |
| aye aye | Duke Lemur Center | Medea | F | 6 | \* | - |
| aye aye | Duke Lemur Center | Merlin | M | 16 | \* | - |
| aye aye | Duke Lemur Center | Nosferatu | M | 25 | \* | - |
| aye aye | Duke Lemur Center | Poe | M | 24 | \* | - |
| black lemur | Duke Lemur Center | Barrymore | M | 22 | \* | \* |
| black lemur | Duke Lemur Center | Deucalion | M | 21 | - | \* |
| black lemur | Duke Lemur Center | Foster | F | 12 | \* | - |
| black lemur | Duke Lemur Center | Harlow | F | 18 | \* | \* |
| black lemur | Duke Lemur Center | Harmonia | F | 26 | - | \* |
| black lemur | Duke Lemur Center | Hesperus | M | 26 | \* | \* |
| black lemur | Duke Lemur Center | Hopkins | M | 14 | - | \* |
| black lemur | Duke Lemur Center | L'amour | F | 21 | \* | \* |
| black lemur | Duke Lemur Center | Latona | F | 26 | - | \* |
| black lemur | Duke Lemur Center | Olivier | M | 17 | \* | - |
| black lemur | Duke Lemur Center | Quinn | M | 9 | \* | \* |
| black lemur | Duke Lemur Center | Redford | M | 18 | \* | \* |
| black lemur | Duke Lemur Center | Tarantino | M | 9 | \* | - |
| black lemur | Duke Lemur Center | Teucer | M | 20 | \* | - |
| bonobo | MPI - Leipzig | Fimi | F | 2 | \* | - |
| bonobo | MPI - Leipzig | Joey | M | 28 | \* | \* |
| bonobo | MPI - Leipzig | Kuno | M | 14 | \* | \* |
| bonobo | MPI - Leipzig | Luiza | F | 5 | \* | \* |
| bonobo | MPI - Leipzig | Ulindi | F | 17 | \* | - |
| bonobo | MPI - Leipzig | Yasa | F | 13 | \* | - |
| bonobo | MPI-Leipzig | Limbuko | M | 14 | - | \* |
| brown lemur | Duke Lemur Center | Alphonse | M | 29 | \* | - |
| brown lemur | Duke Lemur Center | Fiery | M | 27 | \* | - |
| brown lemur | Duke Lemur Center | Francoise | F | 25 | \* | - |
| brown lemur | Duke Lemur Center | Frigga | F | 26 | \* | - |
| brown lemur | Duke Lemur Center | Geraldine | F | 21 | \* | - |
| brown lemur | Duke Lemur Center | Giscard | M | 22 | \* | - |
| brown lemur | Duke Lemur Center | Jules | M | 23 | \* | - |
| brown lemur | Duke Lemur Center | Kish | M | 23 | \* | - |
| brown lemur | Duke Lemur Center | Martine | F | 23 | \* | - |
| brown lemur | Duke Lemur Center | Wizard | F | 15 | \* | - |
| capuchin monkey | ISTC-CNR Primate Centre | Brahms | F | 22 | - | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Cammello | M | 32 | \* | - |
| capuchin monkey | ISTC-CNR Primate Centre | Carlotta | F | 27 | \* | - |
| capuchin monkey | ISTC-CNR Primate Centre | Cognac | M | 17 | - | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Pandora | F | 8 | - | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Panna | F | 10 | - | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Paprica | F | 21 | \* | - |
| capuchin monkey | ISTC-CNR Primate Centre | Patè | M | 13 | - | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Pedro | M | 3(a), 9(b) | \* | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Penelope | F | 5 | - | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Pepe | M | 17 | - | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Pippi | F | 23 | - | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Punk | F | adult | - | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Rame | F | 23 | \* | - |
| capuchin monkey | ISTC-CNR Primate Centre | Roberta | F | 24 | \* | - |
| capuchin monkey | ISTC-CNR Primate Centre | Robin Hood | M | 7(a), 13(b) | \* | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Robinia | F | 11(a), 17(b) | \* | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Robot | M | 9(a), 14(b) | \* | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Rosso | M | adult | - | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Rubens | M | 8 | \* | - |
| capuchin monkey | ISTC-CNR Primate Centre | Rucola | F | 4 | - | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Saroma | F | 9 | \* | - |
| capuchin monkey | ISTC-CNR Primate Centre | Viola | M | adult | - | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Virginia | F | 11 | \* | - |
| capuchin monkey | ISTC-CNR Primate Centre | Vispo | M | 4 | - | \* |
| capuchin monkey | ISTC-CNR Primate Centre | Zapotec | M | adult | - | \* |
| capuchin monkey | Yale University | AG | M | 16 | \* | \* |
| capuchin monkey | Yale University | AH | M | 5 | \* | \* |
| capuchin monkey | Yale University | FL | M | 15 | \* | \* |
| capuchin monkey | Yale University | HB | F | 3 | \* | \* |
| capuchin monkey | Yale University | HG | F | 11 | \* | \* |
| capuchin monkey | Yale University | HR | F | 6 | \* | \* |
| capuchin monkey | Yale University | JM | F | 15 | \* | \* |
| capuchin monkey | Yale University | MD | F | 10 | \* | \* |
| capuchin monkey | Yale University | MP | F | 4 | \* | \* |
| capuchin monkey | Yale University | NN | M | 16 | \* | \* |
| chimpanzee | MPI - Leipzig | Alex | M | 10 | \* | - |
| chimpanzee | MPI - Leipzig | Alexandra | F | 11 | \* | - |
| chimpanzee | MPI - Leipzig | Fifi | F | 18 | \* | \* |
| chimpanzee | MPI - Leipzig | Jahaga | F | 18 | \* | \* |
| chimpanzee | MPI - Leipzig | Trudi | F | 18 | \* | \* |
| chimpanzee | MPI-Leipzig | Fraukje | F | 28 | - | \* |
| chimpanzee | MPI-Leipzig | Frodo | M | 10 | - | \* |
| chimpanzee | MPI-Leipzig | Riet | F | 6 | - | \* |
| chimpanzee | MPI-Leipzig | Sandra | F | 11 | - | \* |
| chimpanzee | North Carolina Zoo | Jon | M | 15 | - | \* |
| chimpanzee | North Carolina Zoo | Kendall | M | 12 | - | \* |
| chimpanzee | North Carolina Zoo | Lance | M | 10 | - | \* |
| chimpanzee | North Carolina Zoo | Maggie | F | 38 | - | \* |
| chimpanzee | North Carolina Zoo | Ruby | F | 15 | - | \* |
| chimpanzee | North Carolina Zoo | Ruthie | F | 40 | - | \* |
| chimpanzee | North Carolina Zoo | Sakoto | M | 10 | - | \* |
| chimpanzee | North Carolina Zoo | Terry | F | 42 | - | \* |
| Coquerel's sifaka | Duke Lemur Center | Anastasia | F | 4 | \* | - |
| Coquerel's sifaka | Duke Lemur Center | Antonia | F | 10 | \* | - |
| Coquerel's sifaka | Duke Lemur Center | Brutus | M | 9 | - | \* |
| Coquerel's sifaka | Duke Lemur Center | Drusilla | F | 17 | - | \* |
| Coquerel's sifaka | Duke Lemur Center | Gordian | M | 14 | \* | \* |
| Coquerel's sifaka | Duke Lemur Center | Gratian | M | 6 | \* | - |
| Coquerel's sifaka | Duke Lemur Center | Jovian | M | 4 | \* | - |
| Coquerel's sifaka | Duke Lemur Center | Julian | M | 17 | - | \* |
| Coquerel's sifaka | Duke Lemur Center | Lucius | M | 5 | \* | \* |
| Coquerel's sifaka | Duke Lemur Center | Marcus Aurelius | M | 7 | \* | \* |
| Coquerel's sifaka | Duke Lemur Center | Martin | M | 2 | - | \* |
| Coquerel's sifaka | Duke Lemur Center | Matilda | F | 2 | \* | \* |
| Coquerel's sifaka | Duke Lemur Center | Pia | F | 9 | \* | - |
| Coquerel's sifaka | Duke Lemur Center | Rhodelina | F | 3 | - | \* |
| Coquerel's sifaka | Duke Lemur Center | Theo | M | 7 | - | \* |
| Coquerel's sifaka | Duke Lemur Center | Tiberius | M | 21 | \* | - |
| coyote | Logan Field Station | 3.1 | F | 3 | \* | - |
| coyote | Logan Field Station | 3.2 | M | 6 | \* | \* |
| coyote | Logan Field Station | 3.3 | F | 4 | \* | \* |
| coyote | Logan Field Station | 4.1 | M | 2 | - | \* |
| coyote | Logan Field Station | 4.2 | M | 3 | \* | \* |
| coyote | Logan Field Station | 4.3 | F | 2 | \* | \* |
| coyote | Logan Field Station | 5.1 | M | 3 | \* | \* |
| coyote | Logan Field Station | 5.2 | F | 3 | \* | - |
| coyote | Logan Field Station | 5.3 | M | 6 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Amber | F | 6 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Aspen | F | 2 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Astro | M | 3 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Bailey | M | 7 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Bender | M | 1 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Bonnie | F | 9 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Bowie | M | 5 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Buffy | F | 6 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Cassie | F | 8 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Cassie(2) | F | 8 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Chewie | M | 3 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Chloe | F | 1 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Clara | F | 8 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Cricket | F | 3 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Dakota | F | 3 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Dallas | M | 4 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Dax | M | 1 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Diva | F | 9 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Ela | F | 10 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Ellie | F | 2 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Friday | M | 7 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Gertie | F | 5 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Ginger | F | 3 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Griffin | M | 5 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Gus | M | 2 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Harbor | M | 4 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Jada | F | 4 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Jimmy | M | 7 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Joey | M | 7 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Kali | F | 9 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Lily | F | 10 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Lucky | M | 7 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Ludo | M | 2 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Lula Belle | F | 11 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Mazie | F | 7 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Milo | M | 1 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Morgan | M | 11 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Murphy | M | 2 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Norman | M | 4 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Peanut | F | 2 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Poppy | F | 6 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Rex | M | 8 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Sadie | F | 7 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Sam | M | 1 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Spencer | M | 7 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Spike | M | 4 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Tiger | F | 9 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Turbo | M | 2 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Vespa | F | 1 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Wonton | M | 4 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Zen | M | 5 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Zep | M | 5 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Zephyr | M | 3 | \* | \* |
| domestic dog | Duke Canine Cognition Center | Zoey | F | 1 | \* | \* |
| domestic dog | MPI - Leipzig | Aimee | F | 3 | \* | \* |
| domestic dog | MPI - Leipzig | Benji | M | 6 | \* | \* |
| domestic dog | MPI - Leipzig | Blue | M | 3 | \* | \* |
| domestic dog | MPI - Leipzig | Chiquita | F | 2 | \* | \* |
| domestic dog | MPI - Leipzig | Colin | M | 2 | \* | \* |
| domestic dog | MPI - Leipzig | Guenni | M | 1 | \* | \* |
| domestic dog | MPI - Leipzig | Jazzy | F | 3 | \* | \* |
| domestic dog | MPI - Leipzig | Judy | F | 2 | \* | \* |
| domestic dog | MPI - Leipzig | Luna | F | 7 | \* | \* |
| domestic dog | MPI - Leipzig | Migo | M | 2 | \* | \* |
| domestic dog | MPI - Leipzig | Mira | F | 5 | \* | \* |
| domestic dog | MPI - Leipzig | Sammy | M | 8 | \* | \* |
| Eurasian jay | University of Cambridge | Hoy | M | 3 | \* | - |
| Eurasian jay | University of Cambridge | Hunter | F | 3 | \* | - |
| Eurasian jay | University of Cambridge | Lima | M | 4 | - | \* |
| Eurasian jay | University of Cambridge | Ohuruogu | F | 3 | \* | - |
| Eurasian jay | University of Cambridge | Pendleton | M | 3 | - | \* |
| Eurasian jay | University of Cambridge | Quito | M | 4 | \* | \* |
| Eurasian jay | University of Cambridge | Rome | F | 4 | - | \* |
| Eurasian jay | University of Cambridge | Romero | M | 3 | \* | \* |
| Eurasian jay | University of Cambridge | Wilson | M | 3 | \* | \* |
| fox squirrel | UC Berkeley | Ace | M | 1 | - | \* |
| fox squirrel | UC Berkeley | Boomerang | unknown | unknown | \* | - |
| fox squirrel | UC Berkeley | Cal | F | unknown | \* | - |
| fox squirrel | UC Berkeley | Cursive | F | 3 | - | \* |
| fox squirrel | UC Berkeley | Dot | F | unknown | \* | - |
| fox squirrel | UC Berkeley | Grumpy | F | unknown | \* | - |
| fox squirrel | UC Berkeley | Isis | F | 1 | - | \* |
| fox squirrel | UC Berkeley | Jemaine | F | unknown | \* | - |
| fox squirrel | UC Berkeley | Leila | F | 1 | - | \* |
| fox squirrel | UC Berkeley | Missi | unknown | unknown | \* | - |
| fox squirrel | UC Berkeley | Nemo | F | unknown | \* | - |
| fox squirrel | UC Berkeley | NR | unknown | 1 | - | \* |
| fox squirrel | UC Berkeley | Picasso | F | unknown | \* | - |
| fox squirrel | UC Berkeley | Romi | F | 1 | - | \* |
| fox squirrel | UC Berkeley | Rooster | M | unknown | \* | - |
| fox squirrel | UC Berkeley | Rooster Jr | M | unknown | \* | - |
| fox squirrel | UC Berkeley | Silver | M | 1 | - | \* |
| fox squirrel | UC Berkeley | Slow Eater | unknown | unknown | \* | - |
| fox squirrel | UC Berkeley | Tornado | unknown | unknown | \* | - |
| fox squirrel | UC Berkeley | Van | unknown | unknown | \* | - |
| fox squirrel | UC Berkeley | Zippy | M | 1 | - | \* |
| golden monkey | Beijing Wildlife Park | Jian Jian | M | 16 | \* | \* |
| golden monkey | Beijing Wildlife Park | Lao er | M | 21 | \* | \* |
| golden monkey | Beijing Wildlife Park | Liu Mei | F | 7 | \* | \* |
| golden monkey | Beijing Wildlife Park | No Name | M | unknown | - | \* |
| golden monkey | Beijing Wildlife Park | San Niu | F | 9 | - | \* |
| golden monkey | Beijing Wildlife Park | Tao Tao | F | 4 | \* | \* |
| golden monkey | Beijing Wildlife Park | Wu Mei | F | 8 | \* | \* |
| golden monkey | Beijing Wildlife Park | Xiao Hai | M | 20 | \* | \* |
| golden monkey | Beijing Wildlife Park | Xiao Mei | F | 17 | \* | - |
| golden monkey | Beijing Wildlife Park | Xiao Zai | F | 3 | \* | \* |
| golden-headed lion tamarin | Laboratorio Tropical de Primatologia | cg02 | F | 5 | \* | - |
| golden-headed lion tamarin | Laboratorio Tropical de Primatologia | cg03 | F | 5 | \* | - |
| golden-headed lion tamarin | Laboratorio Tropical de Primatologia | cg13 | F | 5 | \* | - |
| golden-headed lion tamarin | Laboratorio Tropical de Primatologia | cg25 | M | 12 | \* | - |
| golden-headed lion tamarin | Laboratorio Tropical de Primatologia | cg28 | F | 7 | \* | - |
| golden-headed lion tamarin | Laboratorio Tropical de Primatologia | cg33 | F | 5 | \* | - |
| golden-headed lion tamarin | Laboratorio Tropical de Primatologia | cg40 | F | 5 | \* | - |
| golden-headed lion tamarin | Laboratorio Tropical de Primatologia | cg43 | M | 10 | \* | - |
| golden-headed lion tamarin | Laboratorio Tropical de Primatologia | cgBIG | M | 5 | \* | - |
| golden-headed lion tamarin | Laboratorio Tropical de Primatologia | cgRT | F | 3 | \* | - |
| gorilla | MPI - Leipzig | Kibara | F | 7 | \* | - |
| gorilla | MPI - Leipzig | Louna | F | 4 | \* | - |
| gorilla | MPI - Leipzig | Viringika | F | 16 | \* | \* |
| gorilla | MPI-Leipzig | Bebe | F | 6 | - | \* |
| gorilla | MPI-Leipzig | Gorgo | M | 30 | - | \* |
| gorilla | MPI-Leipzig | Ndiki | F | 32 | - | \* |
| gorilla | MPI-Leipzig | Nkwango | M | 16 | - | \* |
| gorilla | MPI-Leipzig | Ruby | F | 11 | - | \* |
| gorilla | MPI-Leipzig | Vizuri | F | 11 | - | \* |
| gorilla | National Zoo | Baraka | M | 17 | \* | \* |
| gorilla | National Zoo | Haloko | F | 42 | \* | - |
| gorilla | National Zoo | Kigali | F | 15 | \* | \* |
| gorilla | National Zoo | Kojo | M | 8 | \* | \* |
| gorilla | National Zoo | Kwame | M | 10 | \* | \* |
| gorilla | National Zoo | Mandara | F | 28 | \* | \* |
| gray wolf | Wolf Science Center | Apache | M | 2 | \* | - |
| gray wolf | Wolf Science Center | Aragorn | M | 3 | \* | - |
| gray wolf | Wolf Science Center | Cherokee | M | 2 | \* | - |
| gray wolf | Wolf Science Center | Geronimo | M | 2 | \* | - |
| gray wolf | Wolf Science Center | Kaspar | M | 3 | \* | - |
| gray wolf | Wolf Science Center | Kenai | M | 0 | \* | - |
| gray wolf | Wolf Science Center | Nanuk | M | 2 | \* | - |
| gray wolf | Wolf Science Center | Shima | F | 3 | \* | - |
| gray wolf | Wolf Science Center | Tatonga | F | 2 | \* | - |
| gray wolf | Wolf Science Center | Wapi | M | 1 | \* | - |
| gray wolf | Wolf Science Center | Yukon | F | 2 | \* | - |
| hamadryas baboon | North Carolina Zoo | Addis | M | 12 | - | \* |
| hamadryas baboon | North Carolina Zoo | Cairo | M | 5 | \* | \* |
| hamadryas baboon | North Carolina Zoo | Gandar | M | 12 | \* | \* |
| hamadryas baboon | North Carolina Zoo | Geb | M | 6 | \* | \* |
| hamadryas baboon | North Carolina Zoo | Marta | F | 23 | \* | \* |
| hamadryas baboon | North Carolina Zoo | Matilda | F | 20 | \* | \* |
| hamadryas baboon | North Carolina Zoo | Mendi | F | 12 | \* | \* |
| hamadryas baboon | North Carolina Zoo | Nigelli | M | 13 | - | \* |
| hamadryas baboon | North Carolina Zoo | Rhea | F | 7 | - | \* |
| hamadryas baboon | North Carolina Zoo | Riya | F | 7 | \* | - |
| hamadryas baboon | North Carolina Zoo | Tchabu | M | 5 | \* | \* |
| hamadryas baboon | North Carolina Zoo | Tukio | M | 5 | \* | \* |
| long-tailed macaque | University of Utrecht | Anastasia | F | juvenile | - | \* |
| long-tailed macaque | University of Utrecht | Cleo | M | adult | - | \* |
| long-tailed macaque | University of Utrecht | Cornea | F | adult | - | \* |
| long-tailed macaque | University of Utrecht | Era | F | adult | - | \* |
| long-tailed macaque | University of Utrecht | Icetea | F | adult | - | \* |
| long-tailed macaque | University of Utrecht | Linea | F | subadult | - | \* |
| long-tailed macaque | University of Utrecht | Logica | F | subadult | - | \* |
| long-tailed macaque | University of Utrecht | Ofelia | F | juvenile | - | \* |
| long-tailed macaque | University of Utrecht | Salvadoro | M | juvenile | - | \* |
| long-tailed macaque | University of Utrecht | Sea | F | adult | - | \* |
| long-tailed macaque | University of Utrecht | Video | M | subadult | - | \* |
| long-tailed macaque | University of Utrecht | Zargasso | M | juvenile | - | \* |
| marmoset | University of Zurich | Juniper | M | 12 | \* | \* |
| marmoset | University of Zurich | Juri | M | 9 | \* | \* |
| marmoset | University of Zurich | Kaliper | M | 8 | \* | \* |
| marmoset | University of Zurich | Kalium | F | 12 | \* | \* |
| marmoset | University of Zurich | Kantor | M | 6 | \* | - |
| marmoset | University of Zurich | Kapi | M | 7 | \* | \* |
| marmoset | University of Zurich | Kapo | M | 7 | - | \* |
| marmoset | University of Zurich | Venezia | F | 4 | \* | \* |
| marmoset | University of Zurich | Venus | F | 5 | \* | \* |
| marmoset | University of Zurich | Verona | F | 8 | \* | \* |
| marmoset | University of Zurich | Vesta | F | 8 | \* | \* |
| marmoset | University of Zurich | Vreni | F | 8 | \* | - |
| Mongolian gerbil | UC Berkeley | Adlin | M | 2 | \* | \* |
| Mongolian gerbil | UC Berkeley | Alti | F | 1 | \* | - |
| Mongolian gerbil | UC Berkeley | Besh | M | 1 | \* | \* |
| Mongolian gerbil | UC Berkeley | Chetryi | F | 2 | \* | - |
| Mongolian gerbil | UC Berkeley | Cuarenta | F | 1 | - | \* |
| Mongolian gerbil | UC Berkeley | Dva | F | 2 | \* | - |
| Mongolian gerbil | UC Berkeley | Fyorir | F | 1 | - | \* |
| Mongolian gerbil | UC Berkeley | Ni | F | 1 | \* | \* |
| Mongolian gerbil | UC Berkeley | Ooch | M | 1 | \* | \* |
| Mongolian gerbil | UC Berkeley | Roku | F | 1 | \* | \* |
| Mongolian gerbil | UC Berkeley | Sekkiz | F | 1 | \* | - |
| Mongolian gerbil | UC Berkeley | Tri | M | 2 | \* | \* |
| Mongolian gerbil | UC Berkeley | Tveir | F | 1 | - | \* |
| Mongolian gerbil | UC Berkeley | Vente | F | 1 | \* | \* |
| mongoose lemur | Duke Lemur Center | Concepcion | F | 25 | \* | \* |
| mongoose lemur | Duke Lemur Center | Eduardo | M | 15 | \* | - |
| mongoose lemur | Duke Lemur Center | Fabio | M | 22 | - | \* |
| mongoose lemur | Duke Lemur Center | Felipe | M | 14 | - | \* |
| mongoose lemur | Duke Lemur Center | Flor | F | 24 | \* | \* |
| mongoose lemur | Duke Lemur Center | Guadalupe | F | 15 | - | \* |
| mongoose lemur | Duke Lemur Center | Julio | M | 20 | \* | \* |
| mongoose lemur | Duke Lemur Center | Maddie | F | 4 | \* | \* |
| mongoose lemur | Duke Lemur Center | Mercedes | M | 4 | \* | - |
| mongoose lemur | Duke Lemur Center | Moheli | F | 21 | \* | - |
| mongoose lemur | Duke Lemur Center | Paco | M | 11 | \* | \* |
| mongoose lemur | Duke Lemur Center | Pedro | M | 20 | - | \* |
| mongoose lemur | Duke Lemur Center | Piedad | F | 22 | \* | - |
| mongoose lemur | Duke Lemur Center | Sancho | M | 28 | \* | \* |
| olive baboon | Seneca Park Zoo | Jefferson | M | 4 | \* | \* |
| olive baboon | Seneca Park Zoo | Kalamata | M | 3 | \* | \* |
| olive baboon | Seneca Park Zoo | Mansino | M | 6 | \* | \* |
| olive baboon | Seneca Park Zoo | Olive Oil | F | 4 | \* | \* |
| olive baboon | Seneca Park Zoo | Pearl | F | 3 | \* | \* |
| olive baboon | Seneca Park Zoo | Pepperella | F | 17 | \* | \* |
| olive baboon | Seneca Park Zoo | Pimento | F | 4 | - | \* |
| olive baboon | Seneca Park Zoo | Sabina | F | 4 | \* | \* |
| olive baboon | Seneca Park Zoo | Ursula | F | 13 | \* | \* |
| orange-winged amazon | University of St. Andrews | BUL - Tulip | F | unknown | \* | \* |
| orange-winged amazon | University of St. Andrews | BUR - Benny | M | unknown | \* | - |
| orange-winged amazon | University of St. Andrews | GDL - Ricky | M | unknown | \* | \* |
| orange-winged amazon | University of St. Andrews | GYLSR - Freckles | M | unknown | \* | \* |
| orange-winged amazon | University of St. Andrews | LGR - Belle | F | unknown | \* | \* |
| orange-winged amazon | University of St. Andrews | OL - Piglet | F | unknown | \* | - |
| orange-winged amazon | University of St. Andrews | OR - Simon | M | unknown | \* | \* |
| orange-winged amazon | University of St. Andrews | PIL - Rocky | M | unknown | \* | \* |
| orange-winged amazon | University of St. Andrews | PIR - Bo | M | unknown | \* | \* |
| orange-winged amazon | University of St. Andrews | PUR - Pete | M | unknown | \* | \* |
| orange-winged amazon | University of St. Andrews | RR - Stumpy | M | unknown | \* | \* |
| orange-winged amazon | University of St. Andrews | SR - Penny | F | unknown | \* | \* |
| orangutan | MPI - Leipzig | Dokana | F | 22 | \* | - |
| orangutan | MPI - Leipzig | Kila | F | 11 | \* | - |
| orangutan | MPI - Leipzig | Padana | F | 13 | \* | - |
| orangutan | MPI - Leipzig | Pini | F | 23 | \* | - |
| orangutan | MPI - Leipzig | Raaja | F | 7 | \* | - |
| orangutan | MPI-Leipzig | Bimbo | M | 10 | - | \* |
| orangutan | MPI-Leipzig | Dunja | F | 38 | - | \* |
| orangutan | MPI-Leipzig | Padana | F | 13 | - | \* |
| orangutan | MPI-Leipzig | Pini | F | 23 | - | \* |
| orangutan | MPI-Leipzig | Toba | F | 7 | - | \* |
| orangutan | MPI-Leipzig | Walter | M | 21 | - | \* |
| orangutan | National Zoo | Batang | F | 13 | \* | \* |
| orangutan | National Zoo | Bonnie | F | 33 | \* | \* |
| orangutan | National Zoo | Iris | F | 23 | \* | \* |
| orangutan | National Zoo | Kiko | M | 22 | \* | \* |
| orangutan | National Zoo | Kyle | M | 13 | \* | \* |
| orangutan | National Zoo | Lucy | F | 37 | \* | \* |
| red-bellied lemur | Duke Lemur Center | Cheyenne | F | 22 | \* | - |
| red-bellied lemur | Duke Lemur Center | Dido | F | 26 | \* | - |
| red-bellied lemur | Duke Lemur Center | Fox | F | 15 | \* | - |
| red-bellied lemur | Duke Lemur Center | Hannibal | M | 24 | \* | - |
| red-bellied lemur | Duke Lemur Center | Hopi | F | 20 | \* | - |
| red-bellied lemur | Duke Lemur Center | Iroquois | M | 18 | \* | - |
| red-bellied lemur | Duke Lemur Center | Mohawk | M | 28 | \* | - |
| red-bellied lemur | Duke Lemur Center | Navajo | M | 22 | \* | - |
| rhesus macaque | Duke University | Bails | F | 9 | \* | - |
| rhesus macaque | Duke University | Boxer | F | 14 | \* | - |
| rhesus macaque | Duke University | Curry | F | 9 | \* | - |
| rhesus macaque | Duke University | Feinstein | F | 15 | \* | - |
| rhesus macaque | Duke University | Mikulski | F | 14 | \* | - |
| rhesus macaque | Duke University | Schroeder | F | 14 | \* | - |
| ring-tailed lemur | Duke Lemur Center | Aracus | M | 19 | - | \* |
| ring-tailed lemur | Duke Lemur Center | Aristides | M | 17 | - | \* |
| ring-tailed lemur | Duke Lemur Center | Berisades | M | 6 | \* | \* |
| ring-tailed lemur | Duke Lemur Center | Cap N' Lee | M | 8 | \* | - |
| ring-tailed lemur | Duke Lemur Center | Cleius | F | 25 | \* | \* |
| ring-tailed lemur | Duke Lemur Center | Cleonomis | F | 21 | \* | - |
| ring-tailed lemur | Duke Lemur Center | Ginger | F | 2 | \* | - |
| ring-tailed lemur | Duke Lemur Center | Ivy | M | 6 | \* | \* |
| ring-tailed lemur | Duke Lemur Center | Licinius | M | 17 | - | \* |
| ring-tailed lemur | Duke Lemur Center | Lilah | F | 5 | \* | \* |
| ring-tailed lemur | Duke Lemur Center | Nemo | M | 21 | \* | - |
| ring-tailed lemur | Duke Lemur Center | Nicaea | F | 5 | \* | - |
| ring-tailed lemur | Duke Lemur Center | Sosiphanes | F | 13 | - | \* |
| ring-tailed lemur | Duke Lemur Center | Tellus | F | 6 | \* | \* |
| ring-tailed lemur | Duke Lemur Center | Teres | M | 15 | \* | \* |
| ruffed lemur | Duke Lemur Center | Alphard | M | 19 | \* | - |
| ruffed lemur | Duke Lemur Center | Amor | M | 29 | - | \* |
| ruffed lemur | Duke Lemur Center | Antlia | F | 19 | \* | - |
| ruffed lemur | Duke Lemur Center | Aries | M | 3 | \* | \* |
| ruffed lemur | Duke Lemur Center | Borealis | M | 22 | \* | \* |
| ruffed lemur | Duke Lemur Center | Carina | F | 6 | \* | \* |
| ruffed lemur | Duke Lemur Center | Comet | M | 24 | \* | - |
| ruffed lemur | Duke Lemur Center | Diphda | F | 19 | \* | - |
| ruffed lemur | Duke Lemur Center | Eros | M | 1 | - | \* |
| ruffed lemur | Duke Lemur Center | Esther | F | 1 | - | \* |
| ruffed lemur | Duke Lemur Center | Grace | F | 12 | \* | - |
| ruffed lemur | Duke Lemur Center | Hunter | M | 12 | \* | - |
| ruffed lemur | Duke Lemur Center | Hydra | F | 2 | - | \* |
| ruffed lemur | Duke Lemur Center | Junior | M | 4 | \* | - |
| ruffed lemur | Duke Lemur Center | Kizzy | F | 5 | - | \* |
| ruffed lemur | Duke Lemur Center | Little Dipper | F | 6 | \* | - |
| ruffed lemur | Duke Lemur Center | Lyra | F | 2 | - | \* |
| ruffed lemur | Duke Lemur Center | Scorpius | M | 3 | - | \* |
| song sparrow | Duke University | Bk-OR | M | unknown | \* | - |
| song sparrow | Duke University | FY-WW | M | unknown | \* | - |
| song sparrow | Duke University | G-BkBk | M | unknown | \* | - |
| song sparrow | Duke University | G-OO | M | unknown | \* | - |
| song sparrow | Duke University | G-PkPk | M | unknown | \* | - |
| song sparrow | Duke University | G-WG | M | unknown | \* | - |
| song sparrow | Duke University | O-BkBk | M | unknown | \* | - |
| song sparrow | Duke University | O-lBl lBl | M | unknown | \* | - |
| song sparrow | Duke University | O-PuPu | M | unknown | \* | - |
| song sparrow | Duke University | Pu-BkBk | M | unknown | \* | - |
| song sparrow | Duke University | Pu-RR | M | unknown | \* | - |
| song sparrow | Duke University | R-WdBl | M | unknown | \* | - |
| song sparrow | Duke University | W-OW | M | unknown | \* | - |
| song sparrow | Duke University | W-PkPk | M | unknown | \* | - |
| song sparrow | Duke University | W-PuW | M | unknown | \* | - |
| song sparrow | Duke University | W-RW | M | unknown | \* | - |
| song sparrow | Duke University | Y-BkBk | M | unknown | \* | - |
| song sparrow | Duke University | Y-dBldBl | M | unknown | \* | - |
| song sparrow | Duke University | Y-OO | M | unknown | \* | - |
| song sparrow | Duke University | Y-RY | M | unknown | \* | - |
| spider monkey | Centenario Zoo | 1 | F | subadult | - | \* |
| spider monkey | Centenario Zoo | 2 | F | subadult | - | \* |
| spider monkey | Centenario Zoo | 3 | M | subadult | - | \* |
| spider monkey | Centenario Zoo | 4 | M | subadult | - | \* |
| spider monkey | Centenario Zoo | 8 | F | adult | - | \* |
| spider monkey | Centenario Zoo | 9 | F | adult | - | \* |
| spider monkey | Centenario Zoo | 11 | F | adult | - | \* |
| spider monkey | Centenario Zoo | 21 | M | adult | - | \* |
| spider monkey | Centenario Zoo | 22 | M | adult | - | \* |
| spider monkey | Centenario Zoo | 23 | M | adult | - | \* |
| spider monkey | Centenario Zoo | 24 | F | subadult | - | \* |
| spider monkey | Centenario Zoo | 26 | F | adult | - | \* |
| spider monkey | Centenario Zoo | 31 | F | adult | - | \* |
| spider monkey | Centenario Zoo | old 7 | F | subadult | - | \* |
| spider monkey | Centenario Zoo | old 9 | F | adult | - | \* |
| squirrel monkey | Kyoto University | Boo | M | 18 | \* | \* |
| squirrel monkey | Kyoto University | Coboo | M | 17 | \* | \* |
| squirrel monkey | Kyoto University | Gye | F | 16 | \* | \* |
| squirrel monkey | Kyoto University | Homer | F | 16 | \* | \* |
| squirrel monkey | Kyoto University | Kantaro | F | 4 | \* | \* |
| squirrel monkey | Kyoto University | Lucca | F | 14 | \* | \* |
| squirrel monkey | Kyoto University | Roi | M | 9 | \* | \* |
| squirrel monkey | Kyoto University | Sayuri | F | 9 | \* | \* |
| squirrel monkey | Kyoto University | Sora | F | 4 | \* | \* |
| squirrel monkey | Kyoto University | Yaya | F | 14 | \* | \* |
| squirrel monkey | University of St. Andrews | Cali | F | 7 | \* | \* |
| squirrel monkey | University of St. Andrews | Ellie | F | 7 | \* | \* |
| squirrel monkey | University of St. Andrews | Jasmine | F | 10 | \* | \* |
| squirrel monkey | University of St. Andrews | Lexi | F | 2 | \* | \* |
| squirrel monkey | University of St. Andrews | Rio | M | 12 | \* | \* |
| squirrel monkey | University of St. Andrews | Roca | F | 9 | \* | \* |
| squirrel monkey | University of St. Andrews | Sancha | F | 3 | \* | \* |
| squirrel monkey | University of St. Andrews | Tatu | F | 11 | \* | \* |
| squirrel monkey | University of St. Andrews | Toomi | F | 6 | \* | \* |
| stump-tailed macaque | Peking University | Sub1 | M | 21 | - | \* |
| stump-tailed macaque | Peking University | Sub2 | M | 22 | - | \* |
| stump-tailed macaque | Peking University | Sub3 | M | 21 | - | \* |
| stump-tailed macaque | Peking University | Sub4 | M | 8 | - | \* |
| stump-tailed macaque | Peking University | Sub5 | M | 21 | - | \* |
| stump-tailed macaque | Peking University | Sub6 | F | 9 | - | \* |
| stump-tailed macaque | Peking University | Sub7 | M | 27 | - | \* |
| swamp sparrow | Duke University | sw640 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw641 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw642 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw643 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw644 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw645 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw646 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw650 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw652 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw654 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw655 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw656 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw657 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw658 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw659 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw661 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw662 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw663 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw665 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw666 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw667 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw668 | F | unknown | \* | - |
| swamp sparrow | Duke University | sw669 | F | unknown | \* | - |
| western scrub jay | University of Cambridge | scrub201 | M | 4 | \* | \* |
| western scrub jay | University of Cambridge | scrub203 | unknown | 4 | \* | \* |
| western scrub jay | University of Cambridge | scrub220 | M | 4 | - | \* |
| western scrub jay | University of Cambridge | scrub222 | M | 4 | \* | \* |
| western scrub jay | University of Cambridge | scrub223 | F | 4 | \* | \* |
| western scrub jay | University of Cambridge | scrub224 | F | 4 | \* | \* |
| western scrub jay | University of Cambridge | scrub229 | unknown | 4 | \* | - |
| white carneau pigeon | University of Kentucky | 10742 | M | 11 | \* | \* |
| white carneau pigeon | University of Kentucky | 11746 | M | 6 | \* | \* |
| white carneau pigeon | University of Kentucky | 17878 | M | 6 | \* | \* |
| white carneau pigeon | University of Kentucky | 19276 | M | 6 | \* | \* |
| white carneau pigeon | University of Kentucky | 19306 | M | 6 | \* | \* |
| white carneau pigeon | University of Kentucky | 19338 | M | 6 | \* | \* |
| white carneau pigeon | University of Kentucky | 19824 | M | 6 | \* | \* |
| white carneau pigeon | University of Kentucky | 19845 | M | 6 | \* | \* |
| white carneau pigeon | University of Kentucky | 19849 | M | 6 | \* | \* |
| white carneau pigeon | University of Kentucky | 19854 | M | 6 | \* | \* |
| white carneau pigeon | University of Kentucky | 22642 | M | 6 | \* | \* |
| white carneau pigeon | University of Kentucky | 19227 | M | 6 | \* | - |
| zebra finch | Duke University | zf 100 | M | unknown | \* | - |
| zebra finch | Duke University | zf 101 | M | unknown | \* | - |
| zebra finch | Duke University | zf 102 | M | unknown | \* | - |
| zebra finch | Duke University | zf 104 | F | unknown | \* | - |
| zebra finch | Duke University | zf 105 | M | unknown | \* | - |
| zebra finch | Duke University | zf 35 | M | unknown | \* | - |
| zebra finch | Duke University | zf 38 | M | unknown | \* | - |
| zebra finch | Duke University | zf 40 | F | unknown | \* | - |
| zebra finch | Duke University | zf 42 | F | unknown | \* | - |
| zebra finch | Duke University | zf 43 | M | unknown | \* | - |
| zebra finch | Duke University | zf 44 | F | unknown | \* | - |
| zebra finch | Duke University | zf 45 | F | unknown | \* | - |
| zebra finch | Duke University | zf 49 | M | unknown | \* | - |
| zebra finch | Duke University | zf 50 | F | unknown | \* | - |
| zebra finch | Duke University | zf 51 | F | unknown | \* | - |
| zebra finch | Duke University | zf 52 | M | unknown | \* | - |
| zebra finch | Duke University | zf 53 | F | unknown | \* | - |
| zebra finch | Duke University | zf 54 | F | unknown | \* | - |
| zebra finch | Duke University | zf 55 | F | unknown | \* | - |
| zebra finch | Duke University | zf 56 | F | unknown | \* | - |
| zebra finch | Duke University | zf 58 | M | unknown | \* | - |
| zebra finch | Duke University | zf 61 | F | unknown | \* | - |
| zebra finch | Duke University | zf 62 | F | unknown | \* | - |
| zebra finch | Duke University | zf 63 | M | unknown | \* | - |
| zebra finch | Duke University | zf 66 | M | unknown | \* | - |
| zebra finch | Duke University | zf 67 | M | unknown | \* | - |
| zebra finch | Duke University | zf 68 | F | unknown | \* | - |
| zebra finch | Duke University | zf 70 | M | unknown | \* | - |
| zebra finch | Duke University | zf 71 | F | unknown | \* | - |
| zebra finch | Duke University | zf 73 | F | unknown | \* | - |
| zebra finch | Duke University | zf 75 | M | unknown | \* | - |
| zebra finch | Duke University | zf 79 | F | unknown | \* | - |
| zebra finch | Duke University | zf 80 | F | unknown | \* | - |
| zebra finch | Duke University | zf 81 | M | unknown | \* | - |
| zebra finch | Duke University | zf 82 | F | unknown | \* | - |
| zebra finch | Duke University | zf 83 | M | unknown | \* | - |
| zebra finch | Duke University | zf 85 | M | unknown | \* | - |
| zebra finch | Duke University | zf 87 | F | unknown | \* | - |
| zebra finch | Duke University | zf 88 | F | unknown | \* | - |
| zebra finch | Duke University | zf 89 | F | unknown | \* | - |
| zebra finch | Duke University | zf 91 | M | unknown | \* | - |
| zebra finch | Duke University | zf 94 | M | unknown | \* | - |
| zebra finch | Duke University | zf 96 | M | unknown | \* | - |
| zebra finch | Duke University | zf 97 | F | unknown | \* | - |
| zebra finch | Duke University | zf 98 | F | unknown | \* | - |
| zebra finch | Duke University | zf 99 | M | unknown | \* | - |
| zebra finch | Duke University | zf47 | M | unknown | \* | - |