**Table S1. Tested individuals.** Individuals of the four species that were part of any dyad (as victim and/or helper) together with their location and information on their individual characteristics.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Species** | **Location** | **Name** | **Age (in years)** | **Sex** |
| Orangutans | WKPRC  | Raja\* | 6 | F |
|   |  | Kila\* | 9 | F |
|   |  | Padana\* | 11 | F |
|   |  | Dokana | 20 | F |
|   |  | Pini\* | 21 | F |
|   |  | Bimbo | 29 | M |
|   |  | Dunja | 36 | F |
|   | OCCQ  | Galih | 6 | M |
|   |  | Ari | 7 | M |
|   |  | Rowland | 7 | M |
|   |  | Sabin\* | 7 | M |
|   |  | Sam\* | 7 | M |
|   |  | Diva\* | 8 | F |
|   |  | Yasmin\* | 8 | F |
|   |  | Cabang | 8.5 | F |
|   |  | Edwin\* | 8.5 | M |
|   |  | Kraba | 9 | F |
|   |  | Mercedes | 9 | F |
|   |  | Sallie\* | 9.5 | F |
|   |  | Ulin | 11 | F |
|   |   | Bali\* | 13 | F |
| Gorillas | WKPRC  | Louna\* | 4 | F |
|   |  | Kibara\* | 6 | F |
|   |  | Viringika\* | 15 | F |
|   |   | Gorgo | 29 | M |
| Chimpanzees | WKPRC  | Alex\* | 9 | M |
|   |  | Annett | 10 | F |
|   |  | Alexandra\* | 10 | F |
|   |  | Fifi | 16 | F |
|   |  | Gertruida\* | 16 | F |
|   |   | Jahaga | 16 | F |

**Table S1.** continued

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Species** | **Location** | **Name** | **Age (in years)** | **Sex** |
| Chimpanzees | Ngamba Island | Okech | 10 | M |
|   |  | Nani | 10 | F |
|   |  | Indi | 12 | M |
|   |  | Yoyo | 12 | F |
|   |  | Kazahukire | 12 | F |
|   |  | Pasa | 12 | F |
|   |  | Namukisa | 12 | F |
|   |  | Bwambale | 12 | M |
|   |  | Baluku | 13 | M |
|   |  | Bili | 13 | F |
|   |  | Asega | 13 | M |
|   |  | Umugenzi | 14 | M |
|   |  | Kalema | 15 | M |
|   |  | Umutama | 15 | M |
|   |  | Mawa | 15 | M |
|   |  | Nkuumwa | 15 | F |
|   |  | Ikuru | 16 | F |
|   |  | Sally | 20 | F |
|   |  | Becky | 20 | F |
|   |  | Tumbo | 22 | M |
|   |  | Robbie | 25 | M |
|   |  | Sophie | 25 | F |
|   |  | Kidogo | 27 | F |
| Bonobos | WKPRC  | Joey\* | 27 | M |
|   |  | Kuno | 13 | M |
|   |  | Limbuko\* | 14 | M |
|   |  | Luiza\* | 4 | F |
|   |  | Ulindi | 16 | F |
|   |   | Yasa\* | 12 | F |

\* = individuals that first participated as victims; the remaining individuals first participated as helpers; WKPRC = Wolfgang Köhler Primate Research Center, Leipzig, Germany; OCCQ = Orangutan Care Center and Quarantine Pasir Panjang, Kalimantan, Indonesia