**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