Supplementary Table S4: peak horizontal impact force amplitude: values are expressed as multiples of body weight (x BW); median amplitude (IQR) per species is shown.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Forelimb Walk****horizontal****impact amplitude (x BW)** | **Forelimb Slow Run****horizontal****impact amplitude (x BW)** | **Hindlimb Walk****horizontal****impact amplitude (x BW)** | **Hindlimb Slow Run****horizontal****impact amplitude (x BW)** |
|  |
|  |
| Antelope | 0.31 | (0.10) | 0.22 | (0.09) |  |  |  |  |
| Sheep | 0.15 | (0.13) | 0.40 | (0.24) | 0.15 | (0.05) | 0.30 | (0.14) |
| Pig | 0.11 | (0.01) | 0.04 | (0.09) | 0.11 | (0.02) | 0.11 | (0.04) |
| Addax | 0.23 | (0.16) |  |  | 0.05 | (0.10) |  |  |
| Alpaca | 0.17 | (0.10) | 0.22 | (0.10) | 0.14 | (0.06) | 0.13 | (0.06) |
| Deer | 0.07 | (0.03) | 0.16 | (0.09) | 0.04 | (0.02) | 0.09 | (0.04) |
| Horse | 0.09 | (0.03) | 0.11 | (0.04) | 0.09 | (0.04) | 0.08 | (0.02) |
| Bull | 0.06 | (0.03) |  |  | 0.07 | (0.02) |  |  |
| Dromedary | 0.05 | (0.02) |  |  | 0.04 | (0.01) | 0.07 | (0.01) |
| Giraffe | 0.13 | (0.05) |  |  |  |  |  |  |
| Elephant | 0.06 | (0.03) | 0.21 | (0.06) | 0.05 | (0.02) | 0.04 | (0.01) |