Table S2. Summary statistics for each species. Data are given in log10 (mm). SD: standard deviation; IQR: Interquartile range, 25th, and 75th quartile are given.

|  | ***Alces alces*** | ***Capreolus capreolus*** | ***Cervus elaphus*** | ***Dama dama*** | ***Hydropotes inermis*** | ***Mazama gouazoubira*** | ***Moschus moschiferus*** | ***Muntiacus muntjak*** | ***Pudu pudu*** | ***Rangifer tarandus*** | ***Rucervus eldii*** | ***Tragulus javanicus*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Lacrimal Height** | | | | | | | | | | | | |
| Minimum | 1.54 | 1.14 | 1.40 | 1.34 | 1.05 | 1.17 | 1.18 | 1.28 | 0.99 | 1.31 | 1.32 | 1.00 |
| Maximum | 1.6 | 1.3 | 1.5 | 1.4 | 1.1 | 1.3 | 1.3 | 1.4 | 1.2 | 1.5 | 1.5 | 1.1 |
| Mean (SD) | 1.59 (0.03) | 1.20 (0.04) | 1.44 (0.03) | 1.38 (0.04) | 1.11 (0.03) | 1.23 (0.04) | 1.23 (0.04) | 1.34 (0.06) | 1.09 (0.06) | 1.40 (0.05) | 1.37 (0.05) | 1.07 (0.07) |
| Median (IQR) | 1.58 (1.56, 1.62) | 1.20 (1.18, 1.22) | 1.43 (1.42, 1.45) | 1.36 (1.35, 1.40) | 1.11 (1.10, 1.12) | 1.23 (1.21, 1.27) | 1.24 (1.20, 1.26) | 1.35 (1.29, 1.38) | 1.10 (1.06, 1.12) | 1.41 (1.38, 1.43) | 1.36 (1.35, 1.38) | 1.08 (1.04, 1.11) |
| **Lacrimojugal Length** | | | | | | | | | | | | |
| Minimum | 1.61 | 1.07 | 1.50 | 1.36 | 0.89 | 0.92 | 0.69 | 1.31 | 0.69 | 1.55 | 1.47 | 0.73 |
| Maximum | 1.70 | 1.32 | 1.68 | 1.49 | 1.08 | 1.20 | 1.04 | 1.43 | 0.90 | 1.76 | 1.58 | 0.85 |
| Mean (SD) | 1.66 (0.03) | 1.19 (0.05) | 1.59 (0.06) | 1.42 (0.04) | 0.98 (0.06) | 1.07 (0.08) | 0.89 (0.09) | 1.36 (0.04) | 0.82 (0.07) | 1.63 (0.06) | 1.51 (0.04) | 0.78 (0.06) |
| Median (IQR) | 1.66 (1.64, 1.68) | 1.19 (1.15, 1.22) | 1.59 (1.57, 1.60) | 1.43 (1.39, 1.44) | 0.99 (0.94, 1.03) | 1.08 (1.01, 1.13) | 0.89 (0.85, 0.93) | 1.34 (1.33, 1.39) | 0.81 (0.80, 0.87) | 1.63 (1.59, 1.68) | 1.50 (1.48, 1.54) | 0.77 (0.75, 0.81) |
| **Lacrimomaxillar Length** | | | | | | | | | | | | |
| Minimum | 1.18 | 0.68 | 1.08 | 1.26 | 0.81 | 0.92 | 1.12 | 1.16 | 0.99 | 0.98 | 1.12 | 0.92 |
| Maximum | 1.4 | 1.1 | 1.5 | 1.4 | 1.1 | 1.3 | 1.2 | 1.5 | 1.2 | 1.3 | 1.4 | 1.1 |
| Mean (SD) | 1.30 (0.08) | 0.91 (0.11) | 1.33 (0.14) | 1.31 (0.04) | 0.96 (0.08) | 1.13 (0.08) | 1.17 (0.03) | 1.28 (0.10) | 1.07 (0.06) | 1.14 (0.10) | 1.28 (0.08) | 1.00 (0.08) |
| Median (IQR) | 1.31 (1.23, 1.35) | 0.93 (0.82, 0.98) | 1.36 (1.31, 1.41) | 1.31 (1.28, 1.33) | 0.97 (0.93, 1.01) | 1.13 (1.08, 1.19) | 1.16 (1.15, 1.19) | 1.25 (1.23, 1.31) | 1.07 (1.03, 1.10) | 1.15 (1.09, 1.21) | 1.30 (1.23, 1.32) | 1.02 (0.97, 1.04) |
| **Lacrimoethmoid Length** | | | | | | | | | | | | |
| Minimum | 1.62 | 1.10 | 1.56 | 1.55 | 1.20 | 1.25 | 0.72 | 1.13 | 1.10 | 1.21 | 1.59 | 0.30 |
| Maximum | 1.80 | 1.36 | 1.72 | 1.65 | 1.31 | 1.46 | 1.07 | 1.44 | 1.30 | 1.60 | 1.68 | 0.68 |
| Mean (SD) | 1.69 (0.06) | 1.25 (0.05) | 1.66 (0.06) | 1.61 (0.03) | 1.25 (0.04) | 1.36 (0.05) | 0.91 (0.10) | 1.29 (0.08) | 1.20 (0.08) | 1.49 (0.12) | 1.65 (0.03) | 0.47 (0.20) |
| Median (IQR) | 1.68 (1.65, 1.74) | 1.25 (1.23, 1.28) | 1.68 (1.63, 1.71) | 1.63 (1.60, 1.63) | 1.25 (1.22, 1.28) | 1.37 (1.32, 1.38) | 0.92 (0.86, 0.97) | 1.29 (1.27, 1.31) | 1.17 (1.14, 1.26) | 1.53 (1.47, 1.56) | 1.66 (1.64, 1.66) | 0.42 (0.36, 0.55) |
| **Lacrimofrontal Length** | | | | | | | | | | | | |
| Minimum | 1.21 | 0.80 | 1.29 | 1.18 | 0.77 | 0.76 | 0.87 | 1.22 | 0.72 | 1.15 | 1.27 | 0.97 |
| Maximum | 1.46 | 1.10 | 1.39 | 1.31 | 0.91 | 1.16 | 1.15 | 1.47 | 0.88 | 1.53 | 1.37 | 1.10 |
| Mean (SD) | 1.30 (0.07) | 0.97 (0.06) | 1.34 (0.03) | 1.24 (0.04) | 0.83 (0.05) | 0.95 (0.08) | 1.02 (0.08) | 1.34 (0.09) | 0.80 (0.06) | 1.36 (0.11) | 1.33 (0.04) | 1.04 (0.06) |
| Median (IQR) | 1.30 (1.27, 1.32) | 0.98 (0.93, 1.02) | 1.34 (1.33, 1.34) | 1.24 (1.22, 1.27) | 0.81 (0.80, 0.87) | 0.95 (0.90, 0.99) | 1.02 (0.95, 1.07) | 1.34 (1.26, 1.40) | 0.80 (0.76, 0.85) | 1.36 (1.29, 1.42) | 1.33 (1.30, 1.35) | 1.05 (1.01, 1.08) |
| **Maximal Lacrimal Length** | | | | | | | | | | | | |
| Minimum | 1.8 | 1.2 | 1.7 | 1.7 | 1.2 | 1.4 | 1.2 | 1.5 | 1.2 | 1.7 | 1.7 | 1.1 |
| Maximum | 1.9 | 1.5 | 1.8 | 1.7 | 1.4 | 1.6 | 1.3 | 1.6 | 1.3 | 1.9 | 1.8 | 1.2 |
| Mean (SD) | 1.81 (0.03) | 1.39 (0.06) | 1.78 (0.04) | 1.71 (0.03) | 1.30 (0.04) | 1.45 (0.04) | 1.23 (0.03) | 1.55 (0.05) | 1.26 (0.02) | 1.75 (0.05) | 1.77 (0.03) | 1.13 (0.06) |
| Median (IQR) | 1.81 (1.79, 1.83) | 1.38 (1.35, 1.43) | 1.79 (1.75, 1.82) | 1.73 (1.70, 1.73) | 1.31 (1.28, 1.33) | 1.45 (1.42, 1.48) | 1.23 (1.20, 1.25) | 1.54 (1.53, 1.57) | 1.27 (1.26, 1.28) | 1.74 (1.71, 1.76) | 1.77 (1.76, 1.78) | 1.14 (1.10, 1.16) |