**Table S3. Results of single ordinary least-squared (OLS) regression analyses of skull size of 52 *Galictis cuja* specimens and bioclimatic variables separately.** Significance (*p* < 0.05) is highlighted in bold.

|  |  |  |
| --- | --- | --- |
| Bioclimatic variable | Female | Male |
| **Ventral** | **Dorsal** | **Lateral** | **Ventral** | **Dorsal** | **Lateral** |
| BIO1 | Rsq = - 0.041 *p* = 0.538 | Rsq = -0.041*p* = 0.555 | Rsq = -0.037*p* = 0.523 | Rsq = -0.006*p* = 0.359 | Rsq = -0.052*p* = 0.823 | Rsq = 0.034*p* = 0.206 |
| BIO2 | Rsq = -0.057*p* = 0.675 | Rsq = -0.049*p* = 0.624 | Rsq = -0.064*p* = 0.857 | Rsq = -0.0007*p* = 0.334 | Rsq = 0.042*p* = 0.192 | Rsq = -0.020*p* = 0.446 |
| BIO3 | Rsq = 0.463***p* = 0.002** | Rsq = 0.448***p* = 0.001** | Rsq = 0.348***p* = 0.007** | Rsq = 0.252***p* = 0.014** | Rsq = 0.056*p* = 0.161 | Rsq = 0.213***p* = 0.020** |
| BIO4 | Rsq = 0.577***p* < 0.001** | Rsq = 0.548***p* <0.001** | Rsq = 0.512***p* < 0.001** | Rsq = 0.580***p* < 0.001** | Rsq = 0.275***p* = 0.010** | Rsq = 0.480***p* < 0.001** |
| BIO5 | Rsq = 0.155*p* = 0.073 | Rsq = 0.183***p* = 0.048** | Rsq = 0.197***p* = 0.042** | Rsq = 0.068*p* = 0.139 | Rsq = 0.111*p* = 0.082 | Rsq = -0.007*p* = 0.366 |
| BIO6 | Rsq = 0.027*p* = 0.252 | Rsq = 0.012*p* = 0.291 | Rsq = 0.059*p* = 0.176 | Rsq = 0.129*p* = 0.066 | Rsq = 0.013*p* = 0.277 | Rsq = 0.170***p* = 0.035** |
| BIO7 | Rsq = 0.446***p* = 0.002** | Rsq = 0.429***p* = 0.002** | Rsq = 0.561***p* < 0.001** | Rsq = 0.562***p* < 0.001** | Rsq = 0.381***p* = 0.002** | Rsq = 0.439***p* < 0.001** |
| BIO8 | Rsq = 0.004*p* = 0.319 | Rsq = 0.023*p* = 0.258 | Rsq = -0.024*p* = 0.447 | Rsq = 0.208***p* = 0.024** | Rsq = 0.091*p* = 0.105 | Rsq = 0.153***p* = 0.044** |
| BIO9 | Rsq = 0.048*p* = 0.205 | Rsq = -0.030*p* = 0.477 | Rsq = -0.066*p* = 0.941 | Rsq = 0.166***p* = 0.042** | Rsq = 0.071*p* = 0.133 | Rsq = 0.048*p* = 0.172 |
| BIO10 | Rsq = 0.054*p* = 0.193 | Rsq = 0.068*p* = 0.160 | Rsq = 0.044*p* = 0.205 | Rsq = -0.019*p* = 0.435 | Rsq = 0.006*p* = 0.302 | Rsq = -0.048*p* = 0.794 |
| BIO11 | Rsq = 0.134*p* = 0.089 | Rsq = 0.124*p* = 0.090 | Rsq = 0.128*p* = 0.086 | Rsq = 0.168***p* = 0.040** | Rsq = 0.014*p* = 0.273 | Rsq = 0.206***p* = 0.022** |
| BIO12 | Rsq = -0.065*p* = 0.79 | Rsq = -0.066*p* = 0.987 | Rsq = -0.066*p* = 0.998 | Rsq = -0.041*p* = 0.633 | Rsq = - 0.009*p* = 0.378 | Rsq = -0.028*p* = 0.514 |
| BIO13 | Rsq = 0.191***p* = 0.050** | Rsq = 0.140*p* = 0.076 | Rsq = 0.082*p* = 0.139 | Rsq = 0.456***p* < 0.001** | Rsq = 0.263***p* = 0.012** | Rsq = 0.378***p* = 0.001** |
| BIO14 | Rsq = 0.095*p* = 0.13 | Rsq = 0.127*p* = 0.087 | Rsq = 0.061*p* = 0.173 | Rsq = 0.388***p* = 0.001** | Rsq = 0.134*p* = 0.062 | Rsq = 0.305***p* = 0.005** |
| BIO15 | Rsq = 0.209***p* = 0.042** | Rsq = 0.205***p* = 0.038** | Rsq = 0.106*p* = 0.109 | Rsq = 0.382***p* = 0.002** | Rsq = 0.146*p* = 0.053 | Rsq = 0.297***p* = 0.006** |
| BIO16 | Rsq = 0.167*p* = 0.064 | Rsq = 0.133*p* = 0.082 | Rsq = 0.066*p* = 0.164 | Rsq = 0.472***p* < 0.001** | Rsq = 0.268***p* = 0.011** | Rsq = 0.392***p* = 0.001** |
| BIO17 | Rsq = 0.050*p* = 0.202 | Rsq = 0.096*p* = 0.12 | Rsq = 0.029*p* = 0.243 | Rsq = 0.358***p* = 0.003** | Rsq = 0.118*p* = 0.076 | Rsq = 0.281***p* = 0.007** |
| BIO18 | Rsq = 0.105*p* = 0.118 | Rsq = 0.076*p* = 0.148 | Rsq = 0.017*p* = 0.273 | Rsq = 0.76***p* < 0.001** | Rsq = 0.341***p* = 0.004** | Rsq = 0.476***p* < 0.001** |
| BIO19 | Rsq = 0.075*p* = 0.157 | Rsq = 0.109*p* = 0.106 | Rsq = 0.017*p* = 0.274 | Rsq = 0.347***p* = 0.003** | Rsq = 0.113*p* = 0.080 | Rsq = 0.269***p* = 0.009** |

BIO1 = Annual Mean Temperature; BIO2 = Mean Diurnal Range (Mean of monthly (max temp - min temp)); BIO3 = Isothermality (BIO2/BIO7) (×100); BIO4 = Temperature Seasonality (standard deviation ×100); BIO5 = Max Temperature of Warmest Month; BIO6 = Min Temperature of Coldest Month; BIO7 = Temperature Annual Range (BIO5-BIO6); BIO8 = Mean Temperature of Wettest Quarter; BIO9 = Mean Temperature of Driest Quarter; BIO10 = Mean Temperature of Warmest Quarter; BIO11 = Mean Temperature of Coldest Quarter; BIO12 = Annual Precipitation; BIO13 = Precipitation of Wettest Month; BIO14 = Precipitation of Driest Month; BIO15 = Precipitation Seasonality (Coefficient of Variation); BIO16 = Precipitation of Wettest Quarter; BIO17 = Precipitation of Driest Quarter; BIO18 = Precipitation of Warmest Quarter; BIO19 = Precipitation of Coldest Quarter.