

Supplement 1: Table S1. Results of single ordinary least-squared (OLS) regression analyses of skull size of *Herpailurus yagouaroundi* specimens and bioclimatic variables separately. Significance ($p < 0.05$) is highlighted in bold.

Bioclimatic variable	Ventral	Dorsal	Lateral
BIO1	Rsq = 0.4306 $p < 0.001$	Rsq = 0.256 $p < 0.001$	Rsq = 0.405 $p < 0.001$
BIO2	Rsq = 0.142 $p = 0.002$	Rsq = 0.067 $p = 0.039$	Rsq = 0.108 $p = 0.009$
BIO3	Rsq = 0.403 $p < 0.001$	Rsq = 0.210 $p < 0.001$	Rsq = 0.351 $p < 0.001$
BIO4	Rsq = 0.4211 $p < 0.001$	Rsq = 0.250 $p < 0.001$	Rsq = 0.368 $p < 0.001$
BIO5	Rsq = 0.262 $p < 0.001$	Rsq = 0.180 $p = 0.001$	Rsq = 0.285 $p < 0.001$
BIO6	Rsq = 0.511 $p < 0.001$	Rsq = 0.311 $p < 0.001$	Rsq = 0.465 $p < 0.001$
BIO7	Rsq = 0.463 $p < 0.001$	Rsq = 0.256 $p < 0.001$	Rsq = 0.387 $p < 0.001$
BIO8	Rsq = 0.181 $p < 0.001$	Rsq = 0.076 $p = 0.030$	Rsq = 0.142 $p = 0.003$
BIO9	Rsq = 0.351 $p < 0.001$	Rsq = 0.226 $p < 0.001$	Rsq = 0.378 $p < 0.001$
BIO10	Rsq = 0.322 $p < 0.001$	Rsq = 0.194 $p < 0.001$	Rsq = 0.327 $p < 0.001$

BIO11	Rsq = 0.463 <i>p</i> < 0.001	Rsq = 0.280 <i>p</i> < 0.001	Rsq = 0.425 <i>p</i> < 0.001
BIO12	Rsq = 0.333 <i>p</i> < 0.001	Rsq = 0.239 <i>p</i> < 0.001	Rsq = 0.294 <i>p</i> < 0.001
BIO13	Rsq = 0.348 <i>p</i> < 0.001	Rsq = 0.185 <i>p</i> = 0.001	Rsq = 0.291 <i>p</i> < 0.001
BIO14	Rsq = 0.070 <i>p</i> = 0.028	Rsq = 0.005 <i>p</i> = 0.270	Rsq = 0.061 <i>p</i> = 0.041
BIO15	Rsq = 0.104 <i>p</i> = 0.009	Rsq = 0.013 <i>p</i> = 0.204	Rsq = 0.078 <i>p</i> = 0.024
BIO16	Rsq = 0.348 <i>p</i> < 0.001	Rsq = 0.179 <i>p</i> = 0.001	Rsq = 0.293 <i>p</i> < 0.001
BIO17	Rsq = 0.052 <i>p</i> = 0.053	Rsq = -0.005 <i>p</i> = 0.401	Rsq = 0.041 <i>p</i> = 0.78
BIO18	Rsq = 0.375 <i>p</i> < 0.001	Rsq = 0.288 <i>p</i> < 0.001	Rsq = 0.384 <i>p</i> < 0.001
BIO19	Rsq = 0.382 <i>p</i> < 0.001	Rsq = 0.279 <i>p</i> < 0.001	Rsq = 0.343 <i>p</i> < 0.001

BIO1 = Annual Mean Temperature; BIO2 = Mean Diurnal Range (Mean of monthly (max temp - min temp)); BIO3 = Isothermality (BIO2/BIO7) ($\times 100$); BIO4 = Temperature Seasonality (standard deviation $\times 100$); 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.