

Bergmann's rule in *Microlophus* lizards: testing for latitudinal and climatic gradients of body size.

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SUPPLEMENTAL MATERIALS

Table S1. Mean values of ANOVA statistics from pairwise PGLS regressions between climatic variables and male body size in all *Microlophus* species (including both island and mainland species). Significant p-values are shown in bold. The estimated value for the regression coefficient (Coef) and the number of cases that do not exceed the magnitude of the observed coefficient over 1000 phylogeny iterations (iter) are also provided.

Variable	R2	F	Z	p	Coef	iter
Annual mean temperature	0.026	0.460	-0.010	0.51	-0.0014	490
Mean diurnal range	0.071	1.291	0.662	0.272	-0.0022	729
Isothermality	0.024	0.420	-0.049	0.537	-0.0037	463
Temperature seasonality	0.067	1.220	0.618	0.297	-0.0001	703
Max temperature warmest month	0.251	5.686	1.789	0.033	-0.0052	967
Min temperature coldest month	0.000	0.000	-2.532	0.997	0.0000	3
Annual temperature range	0.090	1.681	0.847	0.209	-0.0022	792
Mean temperature wettest quarter	0.213	4.599	1.538	0.065	-0.0030	937
Mean temperature driest quarter	0.001	0.015	-1.379	0.909	0.0002	91
Mean temperature warmest quarter	0.081	1.492	0.753	0.242	-0.0023	758
Mean temperature coldest quarter	0.011	0.182	-0.498	0.703	-0.0008	298
Annual precipitation	0.019	0.337	-0.133	0.563	0.0138	440
Precipitation wettest month	0.023	0.405	-0.039	0.528	0.0186	472
Precipitation driest month	0.174	3.571	1.459	0.063	0.0450	938
Precipitation seasonality	0.009	0.153	-0.384	0.62	-0.0115	380
Precipitation wettest quarter	0.016	0.273	-0.244	0.613	0.0140	387
Precipitation driest quarter	0.177	3.655	1.504	0.062	0.0438	939
Precipitation warmest quarter	0.024	0.412	-0.025	0.511	-0.0139	490
Precipitation coldest quarter	0.142	2.817	1.295	0.093	0.0301	907
Altitude	0.011	0.189	-0.465	0.688	-0.0118	312
Latitude	0.163	3.318	1.423	0.071	-0.0189	930

Table S2. Mean values of ANOVA statistics from pairwise PGLS regressions between climatic variables and female body size in all *Microlophus* species (including both island and mainland species). Significant p-values are shown in bold. The estimated value for the regression coefficient (Coef) and the number of cases that do not exceed the magnitude of the observed coefficient over 1000 phylogeny iterations (iter) are also provided.

Variable	R2	F	Z	p	Coef	iter
Annual mean temperature	0.037	0.652	0.202	0.443	-0.0015	559
Mean diurnal range	0.029	0.506	0.024	0.501	-0.0012	500
Isothermality	0.001	0.021	-1.294	0.889	-0.0008	111
Temperature seasonality	0.042	0.752	0.281	0.42	-0.0001	581
Max temperature warmest month	0.308	7.584	1.972	0.019	-0.0049	981
Min temperature coldest month	0.005	0.080	-0.822	0.786	-0.0003	214
Annual temperature range	0.051	0.915	0.398	0.372	-0.0014	630
Mean temperature wettest quarter	0.153	3.079	1.250	0.115	-0.0019	885
Mean temperature driest quarter	0.002	0.029	-1.154	0.862	0.0003	138
Mean temperature warmest quarter	0.106	2.008	0.950	0.188	-0.0024	813
Mean temperature coldest quarter	0.024	0.423	-0.048	0.537	-0.0011	466
Annual precipitation	0.000	0.001	-1.834	0.963	0.0007	37
Precipitation wettest month	0.006	0.110	-0.634	0.721	0.0085	280
Precipitation driest month	0.096	1.797	0.941	0.172	0.0296	828
Precipitation seasonality	0.034	0.590	0.219	0.424	-0.0162	577
Precipitation wettest quarter	0.000	0.004	-1.596	0.93	0.0015	70
Precipitation driest quarter	0.062	1.133	0.633	0.277	0.0210	723
Precipitation warmest quarter	0.030	0.526	0.131	0.461	-0.0133	540
Precipitation coldest quarter	0.020	0.355	-0.076	0.542	0.0101	459
Altitude	0.041	0.719	0.263	0.408	-0.0163	592
Latitude	0.056	1.006	0.525	0.308	-0.0091	694

Table S3. Mean values of ANOVA statistics from pairwise PGLS regressions between climatic variables and male body size in mainland *Microlophus* species (not including *M. arenarius*). Significant p-values are shown in bold. The estimated value for the regression coefficient (Coef) and the number of cases that do not exceed the magnitude of the observed coefficient over 1000 phylogeny iterations (iter) are also provided.

Variable	R2	F	Z	p	Coef	iter
Annual mean temperature	0.310	4.036	1.483	0.065	-0.0044	935
Mean diurnal range	0.080	0.782	0.263	0.406	-0.0026	598
Isothermality	0.480	8.308	1.876	0.028	-0.0262	972
Temperature seasonality	0.077	0.751	0.324	0.376	0.0002	631
Max temperature warmest month	0.500	9.000	2.078	0.014	-0.0063	986
Min temperature coldest month	0.035	0.330	-0.150	0.583	-0.0010	425
Annual temperature range	0.015	0.135	-0.562	0.699	-0.0009	309
Mean temperature wettest quarter	0.674	18.626	2.765	0.004	-0.0041	996
Mean temperature driest quarter	0.054	0.516	0.076	0.485	0.0013	522
Mean temperature warmest quarter	0.312	4.082	1.488	0.066	-0.0048	934
Mean temperature coldest quarter	0.319	4.217	1.520	0.059	-0.0038	941
Annual precipitation	0.097	0.964	0.380	0.378	-0.0321	627
Precipitation wettest month	0.062	0.597	0.120	0.482	-0.0296	525
Precipitation driest month	0.000	0.000	-2.246	0.989	0.0088	11
Precipitation seasonality	0.013	0.116	-0.713	0.75	-0.0093	253
Precipitation wettest quarter	0.095	0.944	0.382	0.386	-0.0339	622
Precipitation driest quarter	0.033	0.311	-0.235	0.592	0.0359	412
Precipitation warmest quarter	0.516	9.583	2.003	0.019	-0.0640	982
Precipitation coldest quarter	0.011	0.098	-0.662	0.735	0.0101	267
Altitude	0.083	0.814	0.266	0.404	-0.0215	606
Latitude	0.573	12.059	2.342	0.009	-0.0325	992

Table S4. Mean values of ANOVA statistics from pairwise PGLS regressions between climatic variables and female body size in mainland *Microlophus* species (not including *M. arenarius*). Significant p-values are shown in bold. The estimated value for the regression coefficient (Coef) and the number of cases that do not exceed the magnitude of the observed coefficient over 1000 phylogeny iterations (iter) are also provided.

Variable	R2	F	Z	p	Coef	iter
Annual mean temperature	0.238	2.811	1.193	0.11	-0.0037	892
Mean diurnal range	0.042	0.394	-0.099	0.544	-0.0017	465
Isothermality	0.311	4.068	1.301	0.09	-0.0198	910
Temperature seasonality	0.069	0.663	0.214	0.423	0.0002	581
Max temperature warmest month	0.580	12.422	2.369	0.008	-0.0064	992
Min temperature coldest month	0.054	0.519	0.104	0.475	-0.0012	537
Annual temperature range	0.010	0.093	-0.783	0.782	-0.0007	220
Mean temperature wettest quarter	0.492	8.729	2.039	0.015	-0.0033	985
Mean temperature driest quarter	0.003	0.025	-1.192	0.863	0.0003	138
Mean temperature warmest quarter	0.368	5.248	1.665	0.041	-0.0049	959
Mean temperature coldest quarter	0.242	2.871	1.207	0.108	-0.0032	893
Annual precipitation	0.098	0.978	0.391	0.368	-0.0291	638
Precipitation wettest month	0.030	0.278	-0.253	0.593	-0.0188	412
Precipitation driest month	0.014	0.132	-0.573	0.772	-0.7698	250
Precipitation seasonality	0.042	0.394	-0.087	0.509	-0.0151	494
Precipitation wettest quarter	0.077	0.752	0.248	0.424	-0.0277	586
Precipitation driest quarter	0.014	0.125	-0.601	0.722	-0.0206	282
Precipitation warmest quarter	0.306	3.971	1.288	0.092	-0.0440	911
Precipitation coldest quarter	0.429	6.768	1.810	0.026	-0.0466	976
Altitude	0.078	0.757	0.241	0.423	-0.0192	590
Latitude	0.653	16.973	2.674	0.003	-0.0281	997