SUPPLEMENTAL INFORMATION

A MORPHOMETRIC STUDY OF *HEMIDACTYLUS TURCICUS* POPULATIONS ON THE ISTANBUL ISLANDS OF TÜRKIYE WITH PREDICTIONS OF POTENTIAL DISTRIBUTIONS

NILGÜN KAYA, OYA ÖZULUĞ, MEHMET Z. YILDIZ, HARUN İNCI, AHMET A. ERÖZDEN, DOĞAN ÇETIN, ÖZGÜN D. YÜREKLI, AND İREM ŞARLAK

Table S1. Bioclimatic variables.

shortname	longname	unit	scale	offset	explanation
bio1	mean annual air temperature	°C	0.1	-273.15	mean annual daily mean air temperatures averaged over 1 year
bio2	mean diurnal air temperature range	°C	0.1	0	mean diurnal range of temperatures averaged over 1 year
bio3	isothermality	°C	0.1	0	ratio of diurnal variation to annual variation in temperatures
bio4	temperature seasonality	°C/100	0.1	0	standard deviation of the monthly mean temperatures
bio6	mean daily minimum air temperature of the coldest month	°C	0.1	-273.15	The lowest temperature of any monthly daily mean maximum temperature
bio7	annual range of air temperature	°C	0.1	0	The difference between the Maximum Temperature of Warmest month and the Minimum Temperature of Coldest month
bio12	annual precipitation amount	kg m^{-2}	0.1	0	Accumulated precipitation amount over 1 year
g**dd10**	Growing degree days heat sum above 10°C	°C	0.1	0	heat sum of all days above the 10°C temperature accumulated over 1 year.
gsl	growing season length TREELIM	number of days	–	–	Length of the growing season

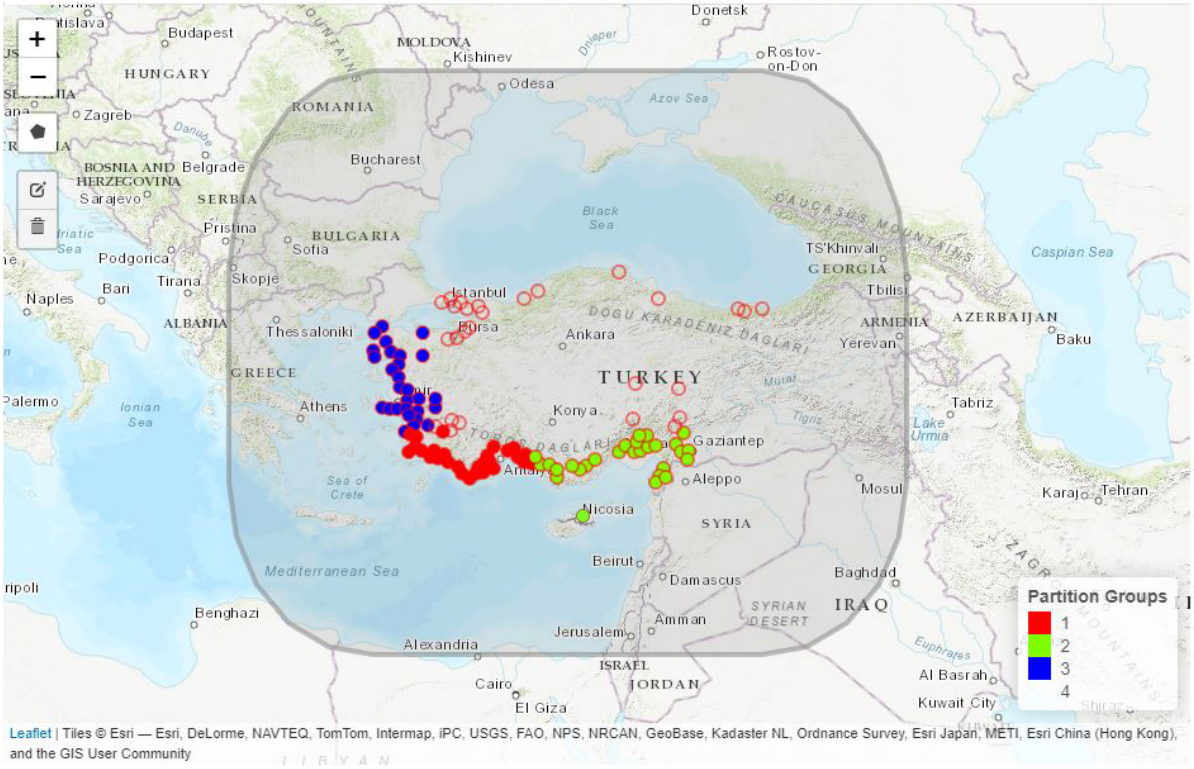

Figure S1. Data on the presence (circles) was partitioned into four groups.

Table S2. Final model coefficients.

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 [1] "CHELSA_bio12_1981.2010_V.2.1, 0.0, 46.5999984741211, 3845.0"

 [2] "CHELSA_bio1_1981.2010_V.2.1, 0.0, -2.45000004768372, 24.5499992370605"

 [3] "CHELSA_bio2_1981.2010_V.2.1, 0.0, 1.20000004768372, 14.3000001907349"

 [4] "CHELSA_bio3_1981.2010_V.2.1, 0.0, 0.0740000009536743, 0.46399998664856"

 [5] "CHELSA_bio4_1981.2010_V.2.1, -0.26764454195357873, 386.600006103516, 1063.5"

 [6] "CHELSA_bio6_1981.2010_V.2.1, 0.0, -22.3500003814697, 14.3500003814697"

 [7] "CHELSA_bio7_1981.2010_V.2.1, 0.0, 12.1000003814697, 43.5999984741211"

 [8] "CHELSA_gdd10_1981.2010_V.2.1, 0.0, 0.400000005960464, 5333.2998046875"

 [9] "CHELSA_gsl_1981.2010_V.2.1, -0.8792983614266026, 15.0, 365.0"

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[11] "CHELSA_bio2_1981.2010_V.2.1^2, 0.12095068217646468, 1.4400001144409305, 204.
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[12] "CHELSA_bio4_1981.2010_V.2.1^2, -1.485805661695381, 149459.56471923864, 11310
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[13] "CHELSA_bio6_1981.2010_V.2.1^2, -0.13505470743534137, 0.002500000074505811, 4
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[14] "CHELSA_gsl_1981.2010_V.2.1^2, -1.5879593181537393, 225.0, 133225.0"

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[18] "`CHELSA_bio12_1981.2010_V.2.1, -0.38546932708069614, 46.5999984741211, 703.0
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[19] "'CHELSA_bio4_1981.2010_V.2.1, -1.4949540390811964, 849.8500061035155, 1063.5
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[20] "'CHELSA_bio2_1981.2010_V.2.1, 0.6199952357210772, 9.25, 14.3000001907349"

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[22] "'CHELSA_bio12_1981.2010_V.2.1, -4.495052656693705, 1694.35003662109, 3845.0"

[23] "'CHELSA_bio2_1981.2010_V.2.1, 1.0634576756645358, 9.550000190734865, 14.3000
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[24] "`CHELSA_bio12_1981.2010_V.2.1, -0.5818020368291307, 46.5999984741211, 916.60
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[25] "`CHELSA_gsl_1981.2010_V.2.1, 1.1972053420782842, 15.0, 209.5"

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[30] "`CHELSA_gdd10_1981.2010_V.2.1, -2.927329179066232, 0.400000005960464, 356.55
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[32] "'CHELSA_bio4_1981.2010_V.2.1, -3.3373128526282443, 913.049987792969, 1063.5"

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[37] "`CHELSA_bio6_1981.2010_V.2.1, -1.884426795121685, -22.3500003814697, -1.9000
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[45] "'CHELSA_bio6_1981.2010_V.2.1, -1.2739275043426, 7.5, 14.3500003814697"

[46] "'CHELSA_bio4_1981.2010_V.2.1, -0.363377189667514, 684.049987792969, 1063.5"

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[50] "'CHELSA_bio4_1981.2010_V.2.1, -0.30757030390872836, 684.25, 1063.5"

[51] "`CHELSA_bio12_1981.2010_V.2.1, -0.34000670256320453, 46.5999984741211, 1311.
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[52] "'CHELSA_bio12_1981.2010_V.2.1, -0.7069730273170731, 1329.85003662109, 3845.0
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[61] "'CHELSA_bio6_1981.2010_V.2.1, -1.3154822031542834, 3.700000047683715, 14.350
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[64] "'CHELSA_bio4_1981.2010_V.2.1, -1.5827654807147233, 737.1000061035155, 1063.5
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[65] "'CHELSA_bio3_1981.2010_V.2.1, -0.6020503984091521, 0.3254999965429305, 0.463
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[71] "`CHELSA_bio1_1981.2010_V.2.1, 1.3630238249530828, -2.45000004768372, 8.90000
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[72] "'CHELSA_gdd10_1981.2010_V.2.1, -0.046208744902169814, 2827.949951171875, 533
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[73] "'CHELSA_gdd10_1981.2010_V.2.1, -0.7178677489632652, 2816.5, 5333.2998046875"

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[83] "linearPredictorNormalizer, -0.8074824129192204"

[84] "densityNormalizer, 298.8020615980529"

[85] "numBackgroundPoints, 10085"

[86] "entropy, 7.505194131068701"
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Table S3. Analyzing the performance of candidate models by their AUC, OR10, and delta.AICc values.

fc	rm	auc.train	cbi.train	auc.diff.avg	auc.diff.sd	auc.val.avg	auc.val.sd	or.10p.avg	or.10p.sd	or.mtp.avg	or.mtp.sd	delta.AICc
LQH	0.5	0.95391	0.981	0.052023	0.06089471	0.9037992	0.0616	0.265873	0.228694	0.064815	0.12963	2.463
LQ	0.5	0.913966	0.982	0.0327993	0.02123822	0.878673	0.029341	0.149892	0.045929	0.02381	0.047619	0
LQHP	0.5	0.938679	0.988	0.0657344	0.08378358	0.8716447	0.080449	0.234307	0.27297	0.083333	0.166667	4.969
H	0.5	0.929514	0.965	0.0676593	0.08792115	0.8684136	0.084083	0.234848	0.304165	0.083333	0.166667	2.079
L	0.5	0.879125	0.965	0.0766751	0.04990747	0.857728	0.079139	0.140152	0.150184	0.02381	0.047619	5.738
LQHP	9.5	0.86143	0.978	0.05361	0.0159007	0.8383041	0.04643	0.138528	0.084665	0.02381	0.047619	9.702