

Supplementary Table S3

Table S3. Correlation matrix of 19 Bioclim variables and altitude

Bioclim variables	Code	Altitude	BIO1	BIO2	BIO3	BIO4	BIO5	BIO6	BIO7	BIO8	BIO9	BIO10	BIO11	BIO12	BIO13	BIO14	BIO15	BIO16	BIO17	BIO18	BIO19
Altitude	Alt		-0.97	0.42	-0.36	0.59	-0.95	-0.93	0.54	-0.96	-0.91	-0.98	-0.93	-0.54	-0.52	-0.20	-0.05	-0.53	-0.26	-0.27	-0.13
Annual Mean Temperature - Bio1	t_mean			-0.38	0.51	-0.72	0.95	0.98	-0.63	0.95	0.97	0.98	0.99	0.56	0.56	0.15	0.11	0.56	0.24	0.25	0.13
#Mean Diurnal Range (Mean of monthly (max temp - min temp)) - Bio2	t_diurn				-0.10	0.49	-0.19	-0.51	0.72	-0.28	-0.38	-0.30	-0.42	-0.64	-0.49	-0.60	0.55	-0.52	-0.63	-0.49	-0.28
#Isothermality (BIO2/BIO7) (x 100) - Bio3	t_iso					-0.85	0.31	0.60	-0.73	0.40	0.54	0.35	0.62	0.47	0.44	-0.08	0.09	0.44	0.04	0.21	0.18
Temperature Seasonality (standard deviation x100) - Bio4	t_seas						-0.49	-0.82	0.94	-0.57	-0.74	-0.55	-0.82	-0.70	-0.65	-0.16	0.04	-0.66	-0.27	-0.39	-0.20
Max Temperature of Warmest Month- Bio5								0.87	-0.37	0.93	0.91	0.99	0.89	0.36	0.40	0.05	0.22	0.39	0.11	0.05	0.07
Min Temperature of Coldest Month - Bio6									-0.77	0.90	0.96	0.92	0.99	0.64	0.62	0.22	0.02	0.62	0.32	0.31	0.19
Temperature Annual Range (BIO5- BIO6) - Bio7	t_range									-0.50	-0.65	-0.47	-0.74	-0.76	-0.66	-0.36	0.25	-0.67	-0.46	-0.53	-0.27
Mean Temperature of Wettest Bio8	t_wetq										0.87	0.96	0.91	0.47	0.47	0.12	0.17	0.48	0.18	0.26	0.06
Mean Temperature of Driest Bio9	t_dryq											0.93	0.97	0.55	0.56	0.14	0.10	0.56	0.24	0.20	0.18
Mean Temperature of Warmest Bio10	t_warmq												0.93	0.44	0.46	0.13	0.15	0.46	0.19	0.16	0.10
#Mean Temperature of Quarter - Bio11	t_coldq	Coldest												0.62	0.61	0.16	0.09	0.61	0.25	0.29	0.16
Annual Precipitation - Bio12	ppt_ann														0.93	0.37	-0.14	0.97	0.48	0.74	0.32
Precipitation of Wettest Month - Bio13																0.19	0.11	0.99	0.30	0.61	0.36
Precipitation of Driest Month - Bio14																	-0.54	0.23	0.93	0.42	0.25
Precipitation Seasonality of Variation) - Bio15	ppt_seas	(Coefficient																0.06	-0.53	-0.25	-0.13
#Precipitation of Wettest Bio16	ppt_wetq	Quarter -																	0.34	0.67	0.32
#Precipitation of Driest Bio17	ppt_dryq	Quarter -																		0.49	0.29
#Precipitation of Warmest Bio18	ppt_warmq	Quarter -																			0.05
#Precipitation of Coldest Bio19	ppt_coldq	Quarter -																			

#Uncorrelated variables used to develop ecological niche model for each yew species distributed in HKH and adjacent regions.

Altitude, Bio1, Bio2, Bio3, Bio4, Bio7, Bio8, Bio9, Bio10, Bio11, Bio12, Bio15, Bio16, Bio17, Bio18 and Bio19 were used to compare ecological niches among the three species following Broennimann et al. (2012).