

Table S2. Environmental attributes explored to predict distribution patterns of the 20 species regarded as the ensemble umbrella species of Mexico.

	Mean annual temperature (BIO1)	Mean diurnal range (BIO2)	Isothermality (BIO3)	Seasonal temperature (BIO 4)	Maximum temperature of the warmest month (BIO5)	Minimum temperature of the coldest month (BIO6)	Annual temperature range (BIO7)	Mean temperature of wettest quarter (BIO8)
Mean annual temperature (BIO1)	1							
Mean diurnal range (BIO2)	-0.511	1						
Isothermality (BIO3)	-0.088	0.023	1					
Seasonal temperature (BIO 4)	-0.253	0.507	-0.807	1				
Maximum temperature of the warmest month (BIO5)	0.758	0.008	-0.499	0.363	1			
Minimum temperature of the coldest month (BIO6)	0.883	-0.739	0.23	-0.634	0.403	1		
Annual temperature range (BIO7)	-0.359	0.772	-0.604	0.924	0.316	-0.741	1	
Mean temperature of wettest quarter (BIO8)	0.774	-0.198	-0.397	0.215	0.79	0.474	0.088	1
Mean temperature of driest quarter (BIO9)	0.86	-0.358	0.057	-0.293	0.681	0.802	-0.332	0.592
Mean temperature of warmest quarter (BIO10)	0.833	-0.201	-0.531	0.317	0.957	0.509	0.175	0.863
Mean temperature of coldest quarter (BIO11)	0.9	-0.62	0.301	-0.646	0.442	0.981	-0.693	0.503
Annual precipitation (BIO 12)	0.39	-0.654	0.272	-0.624	-0.085	0.619	-0.704	0.115
Precipitation of the wettest month (BIO 13)	0.344	-0.539	0.324	-0.614	-0.103	0.554	-0.649	0.107
Precipitation of the driest month (BIO 14)	0.152	-0.267	-0.049	-0.124	0.032	0.213	-0.198	0.071
Seasonal precipitation (BIO15)	-0.092	0.343	0.305	-0.108	-0.058	-0.11	0.071	-0.027
Precipitation of the wettest quarter (BIO16)	0.346	-0.552	0.353	-0.649	-0.117	0.569	-0.675	0.083
Precipitation of the driest quarter (BIO17)	0.314	-0.624	-0.082	-0.282	0.003	0.453	-0.467	0.161
Precipitation of the warmest quarter (BIO18)	0.243	-0.41	0.221	-0.445	-0.13	0.387	-0.497	0.137
Precipitation of the coldest quarter (BIO19)	0.233	-0.43	-0.091	-0.185	0.043	0.339	-0.32	0.103
Elevation	-0.88	0.42	0.368	-0.071	-0.823	-0.687	0.109	-0.742
Anthropogenic disturbance	-0.127	0.141	-0.184	0.276	0.034	-0.203	0.235	-0.002
Temperate forest	-0.462	0.024	0.313	-0.207	-0.583	-0.25	-0.169	-0.448
Tropical humid forests	0.364	-0.348	0.14	-0.315	0.118	0.435	-0.365	0.192
Tropical dry forests	0.309	0.021	0.18	-0.179	0.234	0.266	-0.104	0.227
Scrubland	-0.125	0.31	-0.422	0.57	0.251	-0.33	0.526	0.074
Grassland	-0.255	0.217	0.028	0.066	-0.159	-0.261	0.154	-0.163
Hydrophyllous vegetation	0.182	-0.206	-0.017	-0.097	0.073	0.206	-0.16	0.108
Other vegetation types	-0.015	0.1	-0.139	0.195	0.101	-0.099	0.177	0.022
Agriculture	0.259	-0.307	0.058	-0.274	0.045	0.325	-0.304	0.118
Slope steepness	-0.251	-0.029	0.299	-0.249	-0.378	-0.072	-0.202	-0.325

Mean temperature of driest quarter (BIO9)	Mean temperature of warmest quarter (BIO10)	Mean temperature of coldest quarter (BIO11)	Annual precipitation (BIO12)	Precipitation of the wettest month (BIO13)	Precipitation of the driest month (BIO14)	Seasonal precipitation (BIO15)	Precipitation of the wettest quarter (BIO16)	Precipitation of the driest quarter (BIO17)	Precipitation of the warmest quarter (BIO18)	Precipitation of the coldest quarter (BIO19)	Elevation	Anthropogenic disturbance
1												
0.703												
0.831	1											
0.386	0.013	0.581	1									
0.382	-0.022	0.544	0.941	1								
0.161	0.072	0.171	0.491	0.354	1							
0.114	-0.127	-0.004	-0.076	0.188	-0.224	1						
0.385	-0.039	0.561	0.955	0.988	0.362	0.174	1					
0.205	0.123	0.358	0.724	0.522	0.646	-0.58	0.52	1				
0.263	-0.038	0.382	0.811	0.853	0.348	0.11	0.841	0.552	1			
0.307	0.116	0.267	0.697	0.546	0.647	-0.377	0.539	0.851	0.593	1		
-0.773	-0.912	-0.67	-0.195	-0.135	-0.13	0.201	-0.12	-0.293	-0.121	-0.268	1	
-0.102	0.035	-0.219	-0.133	-0.133	-0.029	-0.09	-0.143	-0.049	-0.076	0.044	0.017	1
-0.333	-0.566	-0.265	0.185	0.287	-0.056	0.202	0.271	-0.027	-0.071	0.054	0.5	0.17
0.333	0.172	0.428	0.432	0.336	0.152	-0.237	0.35	0.443	0.368	0.349	-0.304	0.025
0.353	0.206	0.327	0.081	0.189	-0.059	0.31	0.167	-0.119	0.136	-0.04	-0.184	0.006
-0.204	0.208	-0.352	-0.562	-0.634	-0.107	-0.261	-0.625	-0.26	-0.568	-0.256	-0.071	0.285
-0.208	-0.216	-0.232	-0.119	-0.073	-0.065	0.222	-0.069	-0.188	-0.089	-0.152	0.305	-0.012
0.189	0.121	0.188	0.154	0.105	0.027	-0.107	0.111	0.174	0.087	0.214	-0.164	0.015
0	0.1	-0.096	-0.192	-0.213	-0.033	-0.06	-0.205	-0.106	-0.196	-0.106	-0.076	0.082
0.186	0.086	0.315	0.301	0.267	0.174	-0.03	0.272	0.269	0.232	0.16	-0.172	-0.531
-0.153	-0.382	-0.082	0.178	0.272	0.017	0.229	0.263	-0.063	0.18	-0.001	0.373	0.173

	Temperate forest	Tropical humid forests	Tropical dry forests	Scrubland	Grassland	Hydrophyllous vegetation	Other vegetation types	Agriculture	Slope steepness
	1								
	-0.14	1							
	-0.114	-0.056	1						
	-0.355	-0.225	-0.276	1					
	-0.023	-0.129	-0.08	-0.195	1				
	-0.074	0.005	-0.04	-0.08	-0.053	1			
	-0.121	-0.069	-0.087	-0.032	-0.079	0.005	1		
	-0.254	-0.062	-0.096	-0.391	-0.16	-0.028	-0.125	1	
	0.529	-0.076	0.162	-0.145	0.032	-0.13	-0.188	-0.277	1