



Figure S1. The Maxent predicted ROC curve of *C. glauca*.

Table S1. Correlation matrix for different environmental variables.

	Bio1	Bio2	Bio3	Bio4	Bio5	Bio6	Bio7	Bio8	Bio9	Bio10	Bio11	Bio12	Bio13	Bio14	Bio15	Bio16	Bio17	Bio18	Bio19
Bio1	1.00																		
Bio2	0.89	1.00																	
Bio3	0.91	0.63	1.00																
Bio4	-0.53	-0.40	-0.54	1.00															
Bio5	0.91	0.63	0.99	-0.56	1.00														
Bio6	-0.43	0.02	-0.75	0.37	-0.76	1.00													
Bio7	0.84	0.97	0.56	-0.29	0.56	0.08	1.00												
Bio8	0.88	0.60	0.97	-0.58	0.95	-0.71	0.52	1.00											
Bio9	0.58	0.38	0.65	-0.21	0.68	-0.61	0.33	0.55	1.00										
Bio10	0.62	0.44	0.68	-0.60	0.72	-0.57	0.33	0.65	0.73	1.00									
Bio11	0.59	0.36	0.68	-0.27	0.71	-0.66	0.31	0.58	0.99	0.75	1.00								
Bio12	0.62	0.44	0.68	-0.61	0.72	-0.57	0.32	0.65	0.73	0.99	0.75	1.00							
Bio13	0.55	0.33	0.64	-0.20	0.67	-0.64	0.31	0.54	0.98	0.66	0.98	0.66	1.00						
Bio14	0.59	0.40	0.66	-0.60	0.69	-0.57	0.26	0.66	0.70	0.97	0.73	0.98	0.63	1.00					
Bio15	-0.59	-0.40	-0.67	0.46	-0.74	0.67	-0.33	-0.57	-0.80	-0.76	-0.81	-0.75	-0.78	-0.71	1.00				
Bio16	-0.15	-0.49	0.16	0.09	0.10	-0.49	-0.48	0.21	-0.08	-0.18	-0.03	-0.16	-0.01	-0.12	0.29	1.00			
Bio17	-0.31	0.16	-0.67	0.30	-0.66	0.97	0.22	-0.65	-0.46	-0.43	-0.51	-0.44	-0.50	-0.45	0.47	-0.67	1.00		
Bio18	0.81	0.98	0.51	-0.36	0.50	0.18	0.96	0.50	0.21	0.33	0.20	0.32	0.16	0.29	-0.23	-0.50	0.29	1.00	
Bio19	0.64	0.40	0.74	-0.43	0.78	-0.70	0.33	0.66	0.95	0.86	0.97	0.86	0.94	0.84	-0.85	-0.05	-0.56	0.24	1.00

Table S2. Percent contributions of variables included in Maxent.

Variable code	Description	Unit	Percent contribution (%)
Bio1	Annual mean temperature	°C	–
Bio2	Mean Diurnal Range	°C	–
Bio3	Isothermality	%	2
Bio4	Temperature Seasonality		–
Bio5	Max Temperature of Warmest Month	°C	–
Bio6	Min Temperature of Coldest Month	°C	–
Bio7	Temperature Annual Range	°C	10.3
Bio8	Mean Temperature of Wettest Quarter	°C	–
Bio9	Mean Temperature of Driest Quarter	°C	–
Bio10	Mean Temperature of Warmest Quarter	°C	1.8
Bio11	Mean Temperature of Coldest Quarter	°C	5.9
Bio12	Annual precipitation	mm	78.9
Bio13	Precipitation of Wettest Month	mm	–
Bio14	Precipitation of Driest Month	mm	–
Bio15	Precipitation Seasonality		0.8
Bio16	Precipitation of Wettest Quarter	mm	–
Bio17	Precipitation of Driest Quarter	mm	–
Bio18	Precipitation of Warmest Quarter	mm	–
Bio19	Precipitation of Coldest Quarter	mm	–
ALT	Mean altitude	m	0.3

Table S3. Geographical distribution and data sources of *C. glauca* population occurrences.

Population Number	Longitude	Latitude	Reference
1	98.325	27.9806	[1]
2	98.6664	25.5278	[1]
3	98.85773	25.84192	[1]
4	99.28717	27.17717	[1]
5	99.70601	27.82308	[1]
6	100.0928	23.88034	[1]
7	100.2221	25.58423	[1]
8	100.2299	26.8761	[1]
9	100.7993	22.01089	[1]
10	100.8607	22.69765	[1]
11	101.5073	29.00034	[1]
12	101.8551	26.68321	[1]
13	101.8745	25.70455	[1]
14	102.1143	24.69891	[1]
15	102.1771	28.54981	[1]
16	102.2346	29.91416	[1]
17	102.35	29.22	[1]
18	102.4049	25.53253	[1]
19	102.75	30.06	[1]
20	102.7717	28.96607	[1]
21	102.81	30.36	[1]
22	102.8467	29.79293	[1]

23	103.26	31.08	[1]
24	103.3986	29.49612	[1]
25	103.7	29.47	[1]
26	104.0109	28.67273	[1]
27	104.2	35.86	[1]
28	104.55	32.44	[1]
29	104.6723	23.43747	[1]
30	104.68	32.94	[1]
31	104.7028	23.12546	[1]
32	104.8959	25.08683	[1]
33	105.0553	24.04648	[1]
34	105.28	25.46	[1]
35	105.3347	24.68123	[1]
36	105.35	29.98	[1]
37	105.39	25.13	[1]
38	105.5248	32.28772	[1]
39	105.6309	23.62532	[1]
40	105.84	24.93	[1]
41	106	24.38	[1]
42	106.15	33.32	[1]
43	106.17	25.25	[1]
44	106.1995	29.58212	[1]
45	106.2	28.32	[1]
46	106.2887	23.1606	[1]
47	106.33	26.67	[1]
48	106.8256	28.13355	[1]
49	106.9091	27.65832	[1]
50	106.99	24.53	[1]
51	107.04	25	[1]
52	107.0993	29.15785	[1]
53	107.11	22.76	[1]
54	107.1841	23.62216	[1]
55	107.2871	29.68595	[1]
56	107.46	27.74	[1]
57	107.5097	25.10426	[1]
58	107.54	25.59	[1]
59	107.54	33.22	[1]
60	107.71	27.95	[1]
61	107.895	32.53669	[1]
62	107.958	22.09777	[1]
63	107.97	26.58	[1]
64	108.17	34.31	[1]
65	108.185	30.0234	[1]
66	108.3144	33.31033	[1]
67	108.4	27.99	[1]
68	108.45	26	[1]
69	108.62	31.82	[1]
70	108.8423	24.90595	[1]
71	108.85	27.69	[1]
72	108.93	30.29	[1]

73	109.15	29.67	[1]
74	109.2029	28.15407	[1]
75	109.36	32.38	[1]
76	109.41	31.05	[1]
77	109.48	29.99	[1]
78	109.62	31.37	[1]
79	109.6851	27.44341	[1]
80	109.72	30.6	[1]
81	109.75	30.03333	[1]
82	109.83	27.2	[1]
83	109.85	29	[1]
84	109.87	31.11	[1]
85	109.9265	25.03299	[1]
86	109.95	28.61	[1]
87	110.0505	25.25509	[1]
88	110.16	29.39	[1]
89	110.3258	28.66833	[1]
90	110.3408	31.04233	[1]
91	110.35	25.17	[1]
92	110.4	28.43333	[1]
93	110.4405	25.4051	[1]
94	110.57	27.06	[1]
95	110.58	25.6	[1]
96	110.5999	26.00537	[1]
97	110.63	26.72	[1]
98	110.78	31.33	[1]
99	110.8	24.6	[1]
100	110.85	26.43	[1]
101	111	25.89	[1]
102	111.02	29.69	[1]
103	111.13	29.42	[1]
104	111.2998	26.39755	[1]
105	111.57	25.18	[1]
106	111.6008	25.52644	[1]
107	111.6311	26.22189	[1]
108	111.84	33.04	[1]
109	111.8407	26.58012	[1]
110	111.9458	25.57098	[1]
111	112.03	33.96	[1]
112	112.3774	24.78074	[1]
113	112.8056	27.22152	[1]
114	112.9488	25.39996	[1]
115	113.18	24.81	[1]
116	113.2173	25.22845	[1]
117	113.4151	24.18605	[1]
118	113.4685	27.67032	[1]
119	113.6045	24.68273	[1]
120	113.77	25.12	[1]
121	113.8142	29.24358	[1]
122	113.9615	27.12767	[1]

123	113.9878	24.39905	[1]
124	114.08	32.1	[1]
125	114.14	24.83	[1]
126	114.24	26.94	[1]
127	114.26	23.37	[1]
128	114.3083	25.68188	[1]
129	114.35	25.39	[1]
130	114.371	28.52075	[1]
131	114.3814	30.56116	[1]
132	114.41	29.01	[1]
133	114.53	24.74	[1]
134	114.5372	25.7908	[1]
135	114.61	27.39	[1]
136	114.67	27.81	[1]
137	114.78	28.38	[1]
138	114.7898	24.91111	[1]
139	114.9	26.79	[1]
140	114.96	29.32	[1]
141	115.02	24.78	[1]
142	115.36	26.33	[1]
143	115.4	31.79	[1]
144	115.65	24.95	[1]
145	115.75	24.24	[1]
146	115.7859	29.59907	[1]
147	115.7861	25.60028	[1]
148	115.82	29.12	[1]
149	115.93	24.65	[1]
150	115.99	29.61	[1]
151	116.01	26.47	[1]
152	116.02	25.88	[1]
153	116.104	28.96582	[1]
154	116.2	30.91	[1]
155	116.22	27.54	[1]
156	116.32	26.83	[1]
157	116.3329	31.39269	[1]
158	116.34	26.32	[1]
159	116.3576	25.83361	[1]
160	116.5	30.76	[1]
161	116.52	27.21	[1]
162	116.59	28.23	[1]
163	116.62	24.33	[1]
164	116.7635	25.70788	[1]
165	116.91	30.96	[1]
166	117.02	30.09	[1]
167	117.1758	26.90018	[1]
168	117.2455	28.29252	[1]
169	117.28	28.98	[1]
170	117.31	24.7	[1]
171	117.37	29.53	[1]
172	117.4908	30.65993	[1]

173	117.57	28.94	[1]
174	117.759	27.84	[1]
175	117.86	29.24	[1]
176	118.03	27.75	[1]
177	118.12	27.33	[1]
178	118.1416	30.27294	[1]
179	118.17	26.63	[1]
180	118.18	29.78	[1]
181	118.19	28.43	[1]
182	118.24	28.67	[1]
183	118.2423	25.65709	[1]
184	118.2488	29.95584	[1]
185	118.41	29.13	[1]
186	118.4314	29.86616	[1]
187	118.7977	32.05565	[1]
188	118.802	25.8568	[1]
189	118.87	29.57	[1]
190	119.05	25.65	[1]
191	119.06	27.61	[1]
192	119.1418	28.07441	[1]
193	119.3064	26.07611	[1]
194	119.33	29.48	[1]
195	119.36	30.19	[1]
196	119.3808	31.42047	[1]
197	119.482	28.44914	[1]
198	119.63	27.97	[1]
199	119.73	28.78	[1]
200	119.8233	31.37502	[1]
201	119.91	28.45	[1]
202	119.93	27.56	[1]
203	120.17	30.27	[1]
204	120.18	23	[1]
205	120.2141	29.67902	[1]
206	120.23	23.33	[1]
207	120.37	27.64	[1]
208	120.4	22.9	[1]
209	120.4069	31.23702	[1]
210	120.46	22.65	[1]
211	120.47	27.82	[1]
212	120.4806	22.78556	[1]
213	120.508	23.26345	[1]
214	120.6047	23.85301	[1]
215	120.6175	22.41944	[1]
216	120.64	24.15	[1]
217	120.6658	22.30972	[1]
218	120.6667	22.96667	[1]
219	120.6707	23.57805	[1]
220	120.6742	22.54056	[1]
221	120.7133	24.30222	[1]
222	120.718	22.17003	[1]

223	120.7197	23.13627	[1]
224	120.7238	22.74492	[1]
225	120.7294	22.41554	[1]
226	120.7333	22	[1]
227	120.7333	24.18333	[1]
228	120.7522	22.63056	[1]
229	120.76	23.99559	[1]
230	120.7604	22.89928	[1]
231	120.7783	24.49226	[1]
232	120.783	23.68052	[1]
233	120.8119	23.0219	[1]
234	120.8123	22.77689	[1]
235	120.8217	24.25278	[1]
236	120.8292	22.17917	[1]
237	120.835	22.37583	[1]
238	120.8378	23.82084	[1]
239	120.84	23.26	[1]
240	120.8444	22.07778	[1]
241	120.853	23.95791	[1]
242	120.8591	23.4629	[1]
243	120.88	23.66	[1]
244	120.8847	24.44528	[1]
245	120.9025	24.05389	[1]
246	120.9306	24.58532	[1]
247	120.9333	24.33333	[1]
248	120.9496	23.85696	[1]
249	120.9613	24.19175	[1]
250	120.97	29.14	[1]
251	120.9762	22.86487	[1]
252	120.9833	24.475	[1]
253	121.0114	23.18167	[1]
254	121.0151	24.08875	[1]
255	121.02	28.25	[1]
256	121.0642	23.97611	[1]
257	121.07	22.89	[1]
258	121.0881	24.63583	[1]
259	121.0958	24.24528	[1]
260	121.1	24.5	[1]
261	121.1167	24.06667	[1]
262	121.1544	23.3675	[1]
263	121.1553	22.85739	[1]
264	121.1745	24.70442	[1]
265	121.1753	23.80415	[1]
266	121.2	24.25	[1]
267	121.2106	22.96722	[1]
268	121.2172	24.37917	[1]
269	121.2622	24.13417	[1]
270	121.2635	24.72659	[1]
271	121.2667	24.61667	[1]
272	121.2833	25.06667	[1]

273	121.3294	24.37528	[1]
274	121.3322	23.49722	[1]
275	121.35	24.81667	[1]
276	121.3528	24.68056	[1]
277	121.41	29.59	[1]
278	121.4117	24.07528	[1]
279	121.4167	25.01667	[1]
280	121.4167	25.13333	[1]
281	121.4637	24.20171	[1]
282	121.4983	24.44333	[1]
283	121.5056	25.02722	[1]
284	121.5181	25.15657	[1]
285	121.52	23.95	[1]
286	121.5269	24.82611	[1]
287	121.54	29.86	[1]
288	121.5564	24.63417	[1]
289	121.5597	24.92222	[1]
290	121.5683	24.17029	[1]
291	121.602	25.07888	[1]
292	121.6114	23.9925	[1]
293	121.625	24.44833	[1]
294	121.6278	29.98515	[1]
295	121.6506	24.93417	[1]
296	121.6792	24.59528	[1]
297	121.7281	25.09917	[1]
298	121.7369	24.32389	[1]
299	121.7383	24.42389	[1]
300	121.7889	24.84816	[1]
301	121.8323	25.08409	[1]
302	121.8497	24.953	[1]
303	110.19	25.18	[2]
304	116.16	31.2	[2]
305	118.07	30.15	[2]
306	118.3	29.43	[2]
307	118.48	32.05	[2]
308	119.49	31.22	[2]
309	109.72	32.32	[3]
310	118.74	31.89	[3]
311	119.57	32.01	[3]
312	121.34	30.74	[3]
313	118.28	29.72	[4]
314	119.2	31.95	[4]
315	109.7	29.07	[5]

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