Supplementary Figure S1

Correlations among climate variables of the location where seeds for each population were collected. Mean summer precipitation and maximum temperatures were highly correlated to each other, whereas minimum temperatures were uncorrelated to maximum temperatures or summer precipitation.

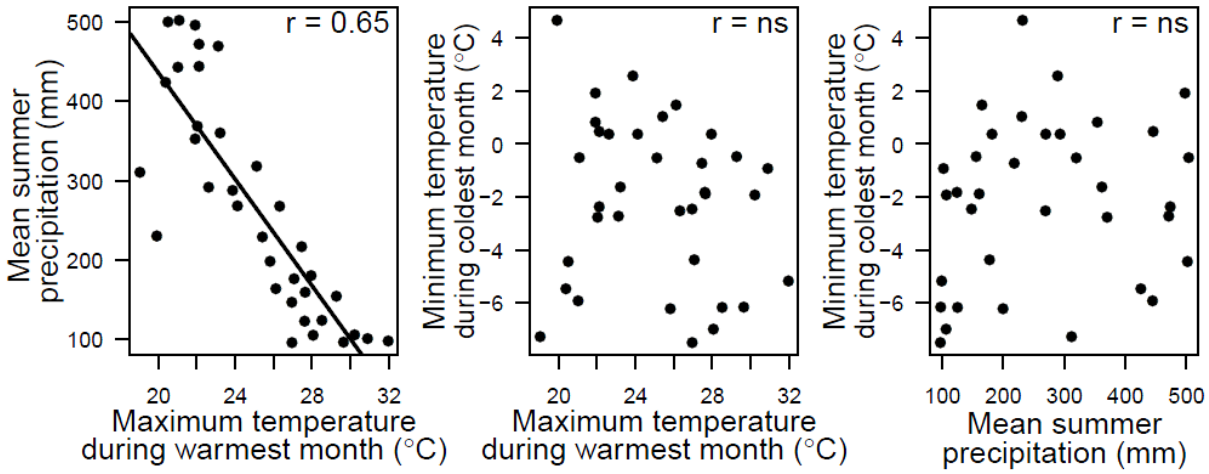

Table S2. Geographic descriptions and their associated climate data for 7 regions where coastal Douglas-fir (*Pseudotsuga menziesii* var. *menziesii*) seeds were collected.

Population	Latitude (N)	Longitude (W)	Elevation (m)	MAT (°C)	T_{Min} (°C)	T_{Max} (°C)	MAP (mm)	MSP (mm)	SHM
Calif. (high)	39.87	120.73	1475	8.37	-6.39	29.00	966	165	186
Oreg. (high)	42.54	122.87	1063	8.70	-3.44	27.00	1056	215	116
Oreg. (low)	42.90	123.08	483	11.10	-0.66	29.07	984	215	142
Oreg. (coast)	42.70	124.18	299	11.23	2.31	23.46	1801	330	71
Wash. (high)	47.06	121.72	1071	5.22	-5.28	20.50	2219	545	35
Wash. (low)	46.92	121.92	445	8.64	-1.93	23.93	1826	506	46
Wash (coast)	46.95	123.67	179	9.56	0.34	22.28	2482	559	47

Climate data derived from PRISM and ClimateWNA; abbreviations: Calif.=California; Oreg.=Oregon; Wash.=Washington; MAT=mean annual temperature; T_{Min}=mean minimum temperature during the coldest month; T_{Max}=mean maximum temperature during the warmest month; MAP=mean annual precipitation; MSP= mean summer precipitation (May-September); SHM=summer heat-to-moisture index.

Table S3. Geographic descriptions and their associated climate data for 35 populations of coastal Douglas-fir (*Pseudotsuga menziesii* var. *menziesii*).

Population	Latitude (N)	Longitude (W)	Elevation(m)	MAT (°C)	T_{Min} (°C)	T_{Max} (°C)	MAP (mm)	MSP (mm)	SHM
1	39.83	120.65	1602	7.74	-6.96	28.08	898	159	179
2	39.84	120.67	1415	8.76	-6.14	29.62	930	158	200
3	39.85	120.79	1509	8.30	-6.15	28.50	1066	175	156
4	39.85	120.66	1744	6.96	-7.47	26.98	889	163	191
5	39.97	120.90	1080	10.21	-5.14	31.97	1050	166	204
6	42.05	124.28	17	11.60	4.70	19.90	1981	359	69
7	42.08	123.55	961	9.65	-1.80	27.60	1269	201	158
8	42.29	122.53	1378	7.00	-6.20	25.80	874	190	84
9	42.36	123.02	667	10.80	-1.90	30.20	694	150	191
10	42.47	123.12	491	11.60	-0.90	30.89	731	148	211
11	42.63	122.98	1002	9.17	-2.43	26.93	935	201	139
12	42.67	124.37	732	10.20	1.95	21.90	1982	361	36
13	42.81	124.29	122	11.70	2.60	23.85	1819	344	63
14	42.83	122.92	835	9.80	-1.85	27.64	1034	230	119
15	42.86	124.06	154	11.80	1.50	26.10	1689	305	113
16	42.90	122.48	1103	8.15	-4.35	27.05	1127	247	94
17	42.92	123.03	442	11.35	-0.45	29.25	1018	228	128
18	43.04	123.92	407	11.00	1.05	25.40	1550	283	79
19	43.22	123.01	566	10.40	-0.70	27.44	1277	288	90
20	43.38	123.21	288	11.30	0.40	27.94	1127	241	108
21	46.37	122.62	242	9.90	-0.50	25.10	1521	436	54
22	46.49	123.57	469	8.46	-0.49	21.06	2620	575	31
23	46.62	121.68	326	9.44	-2.50	26.30	1479	333	65
24	46.74	122.28	833	7.05	-2.75	22.01	2339	595	43
25	46.78	123.55	158	9.75	0.40	22.60	2243	501	58
26	46.90	122.03	547	8.30	-1.60	23.20	1804	522	43
27	46.94	121.47	1405	3.59	-7.25	19.03	1983	456	40
28	47.00	123.40	61	10.20	0.40	24.10	2052	445	66
29	47.06	121.70	1105	5.01	-5.45	20.36	2102	516	32
30	47.11	123.85	66	9.90	0.85	21.90	2374	553	46
31	47.12	121.84	1000	5.60	-4.40	20.50	2269	592	28
32	47.28	121.74	603	7.65	-2.35	22.10	2134	627	34
33	47.32	123.91	139	9.54	0.49	22.10	3041	698	37
34	47.40	121.55	495	8.00	-2.70	23.10	2166	597	34
35	47.42	121.41	924	5.35	-5.90	21.00	2474	593	32

Climate data derived from PRISM and ClimateWNA; abbreviations: MAT=mean annual temperature; T_{Min}=mean minimum temperature during the coldest month; T_{Max}=mean maximum temperature during the warmest month; MAP=mean annual precipitation; MSP=mean summer precipitation (May-September); SHM=summer heat-to-moisture index.