

Supporting information 3

Estimation of population divergence time and potential distribution of the protected evergreen *Rhododendron brachycarpum* in Russia

Data from SDM analyses

Table S1. Correlation matrix of bioclimatic variables. Pearson correlation coefficient values, $|r|$

bio	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	100	0.8	0.9	0.4	0.5	0.1	0.4	0.5	0.1	0.5	0.0	0.3	0.6	0.6	0.8	0.9	0.5	0.8	0.8
2	0.8	100	0.6	0.3	0.4	0.1	0.3	0.3	0.1	0.3	0.0	0.4	0.3	0.1	1.0	0.6	0.0	0.9	0.5
3	0.9	0.6	100	0.4	0.5	0.2	0.3	0.5	0.2	0.5	0.1	0.2	0.7	0.9	0.6	1.0	0.7	0.5	0.8
4	0.4	0.3	0.4	100	0.9	0.7	0.2	0.9	0.7	0.9	0.7	0.2	0.1	0.4	0.2	0.5	0.5	0.2	0.4
5	0.5	0.4	0.5	0.9	100	0.4	0.2	1.0	0.4	1.0	0.3	0.0	0.3	0.4	0.3	0.5	0.4	0.3	0.3
6	0.1	0.1	0.2	0.7	0.4	100	0.6	0.4	1.0	0.3	1.0	0.4	0.2	0.2	0.0	0.3	0.3	0.1	0.3
7	0.4	0.3	0.3	0.2	0.2	0.6	100	0.2	0.6	0.2	0.6	0.7	0.7	0.2	0.3	0.2	0.0	0.4	0.1
8	0.5	0.3	0.5	0.9	1.0	0.4	0.2	100	0.4	1.0	0.3	0.0	0.3	0.4	0.2	0.5	0.4	0.3	0.3
9	0.1	0.1	0.2	0.7	0.4	1.0	0.6	0.4	100	0.3	1.0	0.4	0.2	0.2	0.0	0.3	0.3	0.1	0.3
10	0.5	0.3	0.5	0.9	1.0	0.3	0.2	1.0	0.3	100	0.3	0.0	0.3	0.4	0.2	0.5	0.4	0.3	0.3
11	0.0	0.0	0.1	0.7	0.3	1.0	0.6	0.3	1.0	0.3	100	0.4	0.2	0.1	0.0	0.2	0.3	0.1	0.3
12	0.3	0.4	0.2	0.2	0.0	0.4	0.7	0.0	0.4	0.0	0.4	100	0.7	0.0	0.5	0.1	0.2	0.4	0.1
13	0.6	0.3	0.7	0.1	0.3	0.2	0.7	0.3	0.2	0.3	0.2	0.7	100	0.7	0.3	0.6	0.5	0.3	0.5
14	0.6	0.1	0.9	0.4	0.4	0.2	0.2	0.4	0.2	0.4	0.1	0.0	0.7	100	0.1	0.8	0.9	0.1	0.7
15	0.8	1.0	0.6	0.2	0.3	0.0	0.3	0.2	0.0	0.2	0.0	0.5	0.3	0.1	100	0.5	0.1	0.9	0.5
16	0.9	0.6	1.0	0.5	0.5	0.3	0.2	0.5	0.3	0.5	0.2	0.1	0.6	0.8	0.5	100	0.8	0.5	0.9
17	0.5	0.0	0.7	0.5	0.4	0.3	0.0	0.4	0.3	0.4	0.3	0.2	0.5	0.9	0.1	0.8	100	0.1	0.7
18	0.8	0.9	0.5	0.2	0.3	0.1	0.4	0.3	0.1	0.3	0.1	0.4	0.3	0.1	0.9	0.5	0.1	100	0.4
19	0.8	0.5	0.8	0.4	0.3	0.3	0.1	0.3	0.3	0.3	0.3	0.1	0.5	0.7	0.5	0.9	0.7	0.4	100

Figure S1. The jackknife test of variable importance using AUC on test data

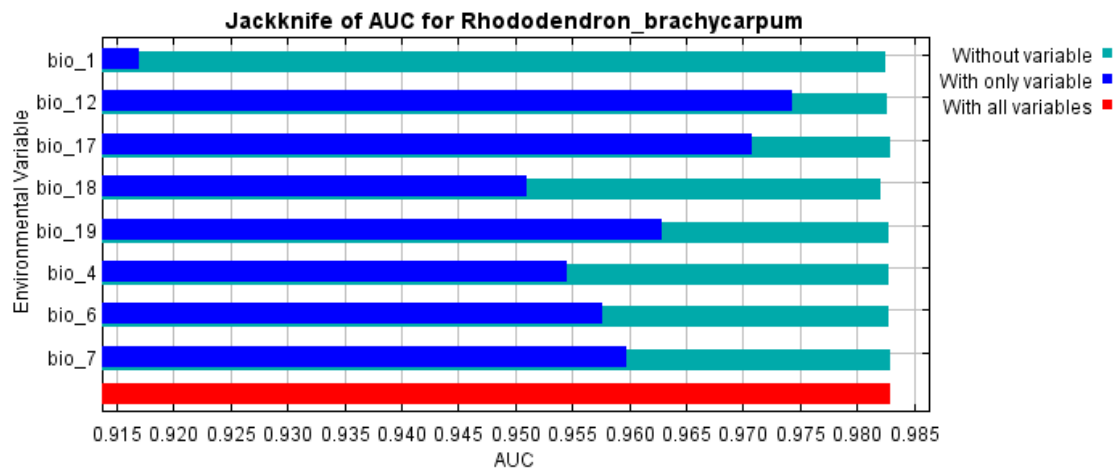


Table S2. Values of AUC_{TEST} for different regularization multiplier values

Regularization multiplier values						
	0.1	0.5	1.0	2.0	3.0	4.0
AUC_{TEST}	0.983	0.984	0.983	0.985	0.985	0.985

Figure S2. Receiver Operating Characteristic (pROC) curve, averaged over 10 runs

