

Table S1: Repeated test set evaluations of seed iterations demonstrating results stability independent of randomness.

<b>Iteration</b>	<b>mtry</b>	<b>splitrule</b>	<b>Accuracy</b>	<b>Kappa</b>	<b>P-Value</b>	<b>Elapsed (min)</b>
1	160	gini	1	1	1.13E-10	25.81268
2	80	gini	0.92	0.884527	8.03E-08	25.50227
3	160	extratrees	0.96	0.943439	4.33E-09	25.10845
4	256	extratrees	1	1	1.13E-10	25.73847
5	160	gini	0.96	0.94213	4.33E-09	25.65527
6	160	gini	1	1	1.13E-10	25.72868
7	256	gini	0.92	0.882629	8.03E-08	25.42875
8	160	gini	1	1	1.13E-10	25.68328
9	256	extratrees	1	1	1.13E-10	25.81942
10	256	gini	0.96	0.94186	4.33E-09	25.46647
11	1	extratrees	0.92	0.885321	8.03E-08	25.20462
12	256	gini	0.96	0.94186	4.33E-09	25.74418
13	160	gini	1	1	1.13E-10	25.63483
14	256	gini	0.96	0.942396	4.33E-09	25.51182
15	256	gini	0.96	0.943439	4.33E-09	25.39873
16	160	gini	1	1	1.13E-10	25.67352
17	256	extratrees	0.96	0.94213	4.33E-09	25.32277
18	160	gini	0.96	0.943439	4.33E-09	25.22608
19	256	extratrees	0.92	0.884527	8.03E-08	25.59133

20	80	extratrees	0.92	0.885845	8.03E-08	25.41715
21	160	gini	1	1	1.13E-10	25.85538
22	1	extratrees	0.88	0.830317	9.54E-07	25.04207
23	256	extratrees	1	1	1.13E-10	25.6618
24	256	extratrees	1	1	1.13E-10	25.78095
25	256	gini	0.96	0.943439	4.33E-09	25.33475
26	1	extratrees	0.88	0.828375	9.54E-07	25.4502
27	256	gini	0.96	0.94213	4.33E-09	25.39333
28	256	gini	0.96	0.943439	4.33E-09	25.34015
29	16	extratrees	0.96	0.943182	4.33E-09	25.38375
30	256	extratrees	1	1	1.13E-10	25.89347
31	160	gini	1	1	1.13E-10	25.62415
32	1	extratrees	0.96	0.943182	4.33E-09	25.61187
33	160	gini	1	1	1.13E-10	25.54702
34	160	gini	1	1	1.13E-10	25.65195
35	256	gini	0.92	0.882629	8.03E-08	25.68117
36	40	gini	0.92	0.884527	8.03E-08	25.50003
37	1	extratrees	0.96	0.943182	4.33E-09	25.40458
38	256	gini	0.92	0.885845	8.03E-08	25.21862
39	256	gini	0.96	0.943439	4.33E-09	25.32073
40	256	extratrees	1	1	1.13E-10	25.56632

41	256	extratrees	0.96	0.94213	4.33E-09	25.42743
42	256	extratrees	0.96	0.943439	4.33E-09	25.43757
43	256	gini	1	1	1.13E-10	25.65338
44	256	gini	0.92	0.882629	8.03E-08	25.2558
45	160	gini	1	1	1.13E-10	25.54603
46	160	gini	1	1	1.13E-10	25.5798
47	3	extratrees	0.96	0.943182	4.33E-09	25.63068
48	256	extratrees	0.92	0.883178	8.03E-08	25.45808
49	160	extratrees	0.96	0.943439	4.33E-09	25.51755
50	256	gini	1	1	1.13E-10	25.61427
51	160	gini	0.96	0.942792	4.33E-09	25.86513
52	160	gini	0.96	0.942792	4.33E-09	25.79233
53	256	extratrees	0.92	0.885845	8.03E-08	25.22173
54	160	gini	0.92	0.884527	8.03E-08	25.41102
55	40	gini	0.92	0.886621	8.03E-08	25.4914
56	256	extratrees	1	1	1.13E-10	25.5907
57	256	extratrees	0.92	0.887892	8.03E-08	25.0642
58	3	extratrees	0.92	0.885321	8.03E-08	25.74282
59	256	extratrees	1	1	1.13E-10	25.77927
60	160	gini	0.96	0.94213	4.33E-09	25.72095
61	256	gini	0.96	0.942396	4.33E-09	25.58153

62	3	extratrees	0.88	0.826389	9.54E-07	25.3108
63	256	extratrees	0.96	0.943439	4.33E-09	25.30708
64	16	gini	0.92	0.885845	8.03E-08	25.5183
65	160	gini	1	1	1.13E-10	25.80867
66	160	gini	1	1	1.13E-10	25.64127
67	256	gini	0.96	0.942792	4.33E-09	25.56577
68	160	gini	0.96	0.942792	4.33E-09	25.62107
69	160	gini	0.96	0.94213	4.33E-09	25.6138
70	10	extratrees	0.84	0.773243	8.16E-06	25.55828
71	256	gini	0.92	0.884793	8.03E-08	25.29797
72	160	gini	0.96	0.94213	4.33E-09	25.95803
73	80	gini	1	1	1.13E-10	25.68005
74	80	extratrees	0.92	0.883178	8.03E-08	25.10553
75	256	extratrees	1	1	1.13E-10	25.57815
76	160	extratrees	0.88	0.829157	9.54E-07	25.2699
77	160	gini	1	1	1.13E-10	25.89773
78	1	extratrees	0.92	0.885321	8.03E-08	25.50268
79	160	extratrees	0.96	0.94213	4.33E-09	25.75957
80	256	gini	0.96	0.94186	4.33E-09	25.69335
81	256	gini	0.96	0.943439	4.33E-09	25.24597
82	256	gini	0.92	0.882629	8.03E-08	25.72195

83	160	extratrees	0.96	0.94213	4.33E-09	25.67773
84	160	extratrees	0.88	0.827189	9.54E-07	24.90852
85	160	gini	0.96	0.94213	4.33E-09	25.48938
86	256	gini	0.92	0.882629	8.03E-08	25.58245
87	256	extratrees	1	1	1.13E-10	25.90612
88	256	extratrees	1	1	1.13E-10	25.56982
89	1	extratrees	0.96	0.943182	4.33E-09	25.40237
90	256	extratrees	1	1	1.13E-10	25.48622
91	160	gini	0.96	0.942792	4.33E-09	25.64125
92	256	gini	0.92	0.885845	8.03E-08	25.51875
93	256	gini	0.96	0.94186	4.33E-09	25.62915
94	256	gini	0.96	0.942792	4.33E-09	25.47583
95	256	gini	0.96	0.943439	4.33E-09	25.36042
96	256	extratrees	0.96	0.942792	4.33E-09	25.87922
97	256	gini	1	1	1.13E-10	25.44348
98	256	extratrees	0.96	0.942792	4.33E-09	25.78053
99	1	extratrees	0.96	0.94213	4.33E-09	25.28645
100	160	gini	1	1	1.13E-10	25.7278