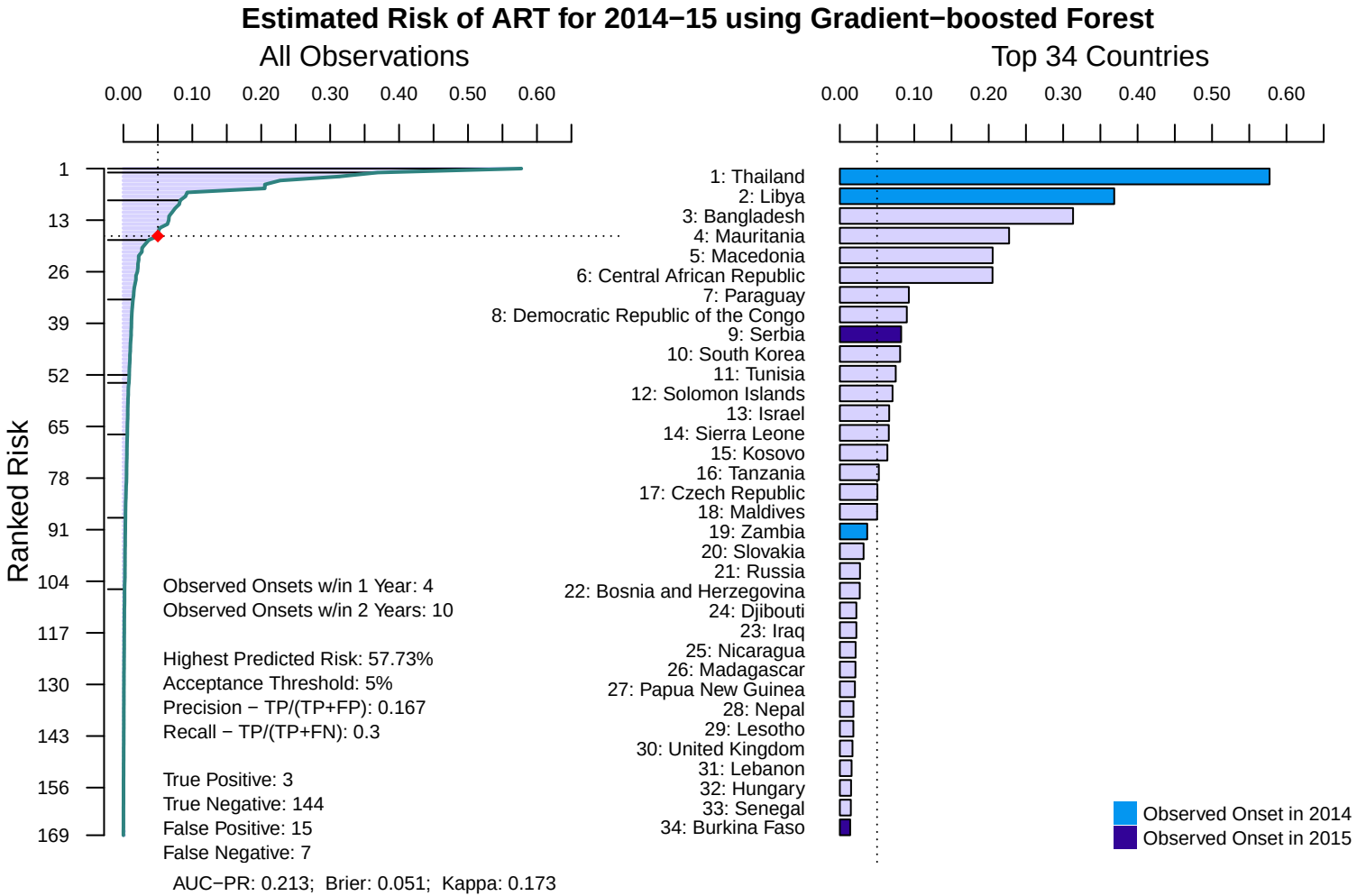
Estimated Risk of ART for 2014−15 using Gradient−boosted Forest
All Observations
Top 34 Countries
0.00 0.10 0.20 0.30 0.40 0.50 0.60
Ranked Risk
1 13 26 39 52 65 78 91 104 117 130 143 156 169
1: Thailand
2: Libya
3: Bangladesh
4: Mauritania
5: Macedonia
6: Central African Republic
7: Paraguay
8: Democratic Republic of the Congo
9: Serbia
10: South Korea
11: Tunisia
12: Solomon Islands
13: Israel
14: Sierra Leone
15: Kosovo
16: Tanzania
17: Czech Republic
18: Maldives
19: Zambia
20: Slovakia
21: Russia
22: Bosnia and Herzegovina
24: Djibouti
23: Iraq
25: Nicaragua
26: Madagascar
27: Papua New Guinea
28: Nepal
29: Lesotho
30: United Kingdom
31: Lebanon
32: Hungary
33: Senegal
34: Burkina Faso
Observed Onset in 2014
Observed Onset in 2015
Observed Onsets w/in 1 Year: 4
Observed Onsets w/in 2 Years: 10
Highest Predicted Risk: 57.73%
Acceptance Threshold: 5%
Precision − TP/(TP+FP): 0.167
Recall − TP/(TP+FN): 0.3
True Positive: 3
True Negative: 144
False Positive: 15
False Negative: 7
AUC−PR: 0.213; Brier: 0.051; Kappa: 0.173