

Supplementary Table S7. The predictive performance for infection risk in non-ACLF with incrementally reduced feature subsets evaluated by RF-RFE.

Feature numbers	AUC	Accuracy	Specificity	Recall	Precision	F1 score
35	0.842	0.869	0.289	0.974	0.884	0.927
32	0.840	0.862	0.281	0.967	0.882	0.923
30	0.839	0.867	0.303	0.969	0.886	0.925
27	0.841	0.872	0.311	0.973	0.887	0.928
22	0.847	0.865	0.310	0.964	0.887	0.923
17	0.850	0.871	0.333	0.969	0.890	0.927
14	0.851	0.877	0.348	0.973	0.893	0.931
11	0.836	0.874	0.342	0.970	0.891	0.929
9	0.832	0.875	0.372	0.966	0.896	0.929
8	0.832	0.873	0.357	0.966	0.893	0.928
7	0.831	0.870	0.372	0.960	0.895	0.926
6	0.831	0.872	0.380	0.960	0.896	0.927
5	0.828	0.862	0.350	0.955	0.891	0.922
4	0.814	0.860	0.364	0.949	0.893	0.920
3	0.797	0.854	0.312	0.952	0.885	0.917

Note: ACLF, acute-on-chronic liver failure; AUC, area under the ROC curve; RF, random forest; RFE, recursive feature elimination.