

Supplementary Table S15. The performance for composite clinical models to predict infection risk in Non-ACLF with incrementally reduced feature subsets evaluated by RF-RFE.

Feature numbers	AUC	Accuracy	Specificity	Recall	Precision	F1 score
3	0.741	0.838	0.335	0.930	0.886	0.907
5	0.751	0.864	0.273	0.971	0.881	0.924
7	0.800	0.859	0.319	0.957	0.886	0.920
9	0.813	0.860	0.274	0.967	0.881	0.921
11	0.832	0.872	0.315	0.973	0.887	0.928
13	0.820	0.867	0.315	0.967	0.887	0.925
15	0.830	0.873	0.308	0.975	0.886	0.928

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