

Supplementary Table S4. The predictive performance for infection risk in ACLF with incrementally reduced feature subsets evaluated by RF-RFE.

Feature numbers	AUC	Accuracy	Specificity	Recall	Precision	F1 score
35	0.797	0.728	0.787	0.653	0.706	0.673
33	0.789	0.721	0.803	0.617	0.707	0.655
31	0.794	0.715	0.788	0.622	0.698	0.654
29	0.802	0.741	0.811	0.653	0.731	0.685
27	0.791	0.726	0.791	0.643	0.710	0.668
25	0.791	0.726	0.791	0.643	0.708	0.667
23	0.787	0.710	0.779	0.623	0.688	0.647
19	0.794	0.726	0.791	0.643	0.710	0.669
17	0.793	0.703	0.767	0.622	0.680	0.645
13	0.789	0.697	0.756	0.622	0.669	0.639
11	0.791	0.708	0.771	0.628	0.683	0.647
9	0.798	0.726	0.783	0.652	0.708	0.671
7	0.798	0.719	0.783	0.637	0.699	0.661
5	0.790	0.699	0.744	0.642	0.668	0.644
3	0.771	0.694	0.731	0.647	0.650	0.639

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