

Supplementary Table S17. Performance of metabolomics models to predict bacterial infection using microbiologically confirmed cases.

Model	AUC	PRAUC	Accuracy	Specificity	Recall	Precision	F1 score
ACLF_TRAIN	0.948	0.949	0.881	0.856	0.906	0.862	0.884
Non-ACLF_TRAIN	0.962	0.959	0.897	0.872	0.922	0.878	0.899
ACLF_TEST	0.869	0.874	0.767	0.711	0.822	0.740	0.779
Non-ACLF_TEST	0.881	0.861	0.786	0.839	0.733	0.820	0.774

Note: ACLF, acute-on-chronic liver failure; AUC, area under the ROC curve.