

Supplementary Table S18. The diagnostic performance of metabolomics models in patients with different ACLF grades.

Model	AUC	PRAUC	Accuracy	Specificity	Recall	Precision	F1 score
ACLF-1_TRAIN	0.880	0.847	0.816	0.919	0.646	0.828	0.726
ACLF-2_TRAIN	0.947	0.963	0.847	0.750	0.914	0.841	0.876
ACLF-3_TRAIN	0.961	0.966	0.896	0.829	0.952	0.870	0.909
ACLF-1_TEST	0.824	0.751	0.712	0.830	0.547	0.700	0.627
ACLF-2_TEST	0.830	0.822	0.726	0.611	0.867	0.650	0.743
ACLF-3_TEST	0.859	0.819	0.727	0.556	0.933	0.636	0.757

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