

Supplementary Table 1. The input features in the machine learning model

Demographics	Clinical factors	Laboratory data	On-treatment
<ul style="list-style-type: none"> • Sex • Age • Body mass index (BMI) 	<ul style="list-style-type: none"> • Liver • Liver cirrhosis (LC) • Decompensated liver cirrhosis (DLC) • Hepatocellular carcinoma (HCC) • Liver transplant (LT) • Fatty liver (FL) • Chronic liver disease (CLD) • Family history of HCC (Fx_HCC) • Comorbidity • Diabetes (DM) • Hypertension (HTN) • Hyperlipidemia (HLD) • Stroke (CVD) • Coronary artery disease (CAD) • Chronic kidney disease (CKD) • Chronic kidney disease stage (CKD_stage) • human immunodeficiency virus (HIV) • Persons Who Inject Drugs (PWID) • Thalassemia • Hemophilia • Other cancer • Lifestyle • Smoking • Alcohol use 	<ul style="list-style-type: none"> • Virus • HCV genotype • HCV RNA (HCV_RNA) • Resistance-associated substitution (RAS) • HBsAg • HBsAg titer • Anti-HBs antibody (Anti-HBs) • Anti-HBc antibody (Anti-HBc) • Biochemistry • Fibrosis-4 index (FIB4) • Aspartate Aminotransferase to platelet ratio index (APRI) • α-fetoprotein (AFP) • Albumin (Alb) • Total bilirubin (Bil) • Alanine aminotransferase (AST) • Aspartate aminotransferase (ALT) • γ-glutamyl transpeptidase (GGT) • Platelets (PLT) • Prothrombin time international normalized ratio (INR) • Hemoglobin A1c (HbA1c) • Cholesterol (Chol) • Triglyceride (TG) • High-density Lipoprotein Cholesterol (HDL) • Low-density Lipoprotein Cholesterol (LDL) • Creatinine (Cr) • Proteinuria 	<ul style="list-style-type: none"> • HCV treatment naïve (HCV_Tx) • DAA regimen (DAA_drug) • Ribavirin (RBV) • DAA adherence (Adherence_DAA) • Ribavirin adherence (Adherence_RBV) • Serious adverse event (SAE) • Rapid virologic response (RVR)