Table S1 Performance of models with different combinations of variables using a 5-fold cross validation

Features	ROC AUC (95% CI)	Youden's index	Sensitivity	Specificity	PPV	NPV
All 13 features	0.86 (0.85, 0.87)	0.57	0.78	0.79	0.29	0.97
BMI + age of onset + HbA1c	0.83 (0.83, 0.83)	0.50	0.76	0.75	0.24	0.97
BMI + age of onset + FPG	0.81 (0.81, 0.82)	0.47	0.74	0.73	0.23	0.96
BMI + age of onset + TG	0.81 (0.79, 0.82)	0.47	0.73	0.74	0.23	0.96
BMI + age of onset + PPG	0.81 (0.80, 0.81)	0.46	0.73	0.73	0.22	0.96
BMI + age of onset + men	0.79 (0.78, 0.80)	0.43	0.71	0.72	0.21	0.96
BMI + age of onset + TC	0.79 (0.78, 0.80)	0.43	0.70	0.73	0.22	0.96
BMI + age of onset + HDL-C	0.79 (0.78, 0.80)	0.44	0.70	0.73	0.22	0.96
BMI + age of onset + DBP	0.79 (0.79, 0.80)	0.44	0.70	0.74	0.22	0.96
BMI + age of onset + LDL-C	0.79 (0.78, 0.80)	0.43	0.71	0.73	0.22	0.96
BMI + age of onset + SBP	0.80 (0.79, 0.80)	0.45	0.71	0.74	0.23	0.96
BMI + age of onset	0.79 (0.79, 0.80)	0.44	0.70	0.73	0.22	0.96
BMI + age of onset + waist	0.79 (0.79, 0.79)	0.44	0.71	0.73	0.22	0.96

Cut-off value was set to 0.08 for these models. ROC AUC, area under the receiver operating characteristic curve; PPV, positive predictive value; NPV, negative predictive value; BMI, body mass index; HbA1c, hemoglobin A1c; FPG, fasting plasma glucose; TG, triglyceride; PPG, postprandial plasma glucose; TC, total cholesterol; HDL-C, high-density lipoprotein cholesterol; DBP, diastolic blood pressure; LDL-C, low-density lipoprotein cholesterol; SBP, systolic blood pressure.