

	training dataset							validation cohort 1							validation cohort 2						
specificity	0.83	0.84	0.99	1	1	0.91	0.83	0.79	0.82	0.79	0.89	0.7	0.81	0.89	0.89	0.89	0.84	0.81	0.92	0.69	0.73
sensitivity	0.7	0.7	0.89	1	1	0.68	0.7	0.58	0.58	0.61	0.22	0.67	0.56	0.42	0.65	0.65	0.75	0.4	0.5	0.8	0.85
accuracy	0.82	0.83	0.98	1	1	0.89	0.82	0.78	0.8	0.78	0.84	0.7	0.79	0.86	0.86	0.86	0.83	0.77	0.88	0.7	0.74
ppv	0.3	0.32	0.94	1	1	0.44	0.3	0.16	0.18	0.16	0.12	0.13	0.16	0.2	0.41	0.41	0.35	0.2	0.44	0.23	0.27
npv	0.96	0.96	0.99	1	1	0.96	0.96	0.97	0.97	0.97	0.94	0.97	0.96	0.96	0.96	0.96	0.97	0.92	0.94	0.97	0.98
precision	0.3	0.32	0.94	1	1	0.44	0.3	0.16	0.18	0.16	0.12	0.13	0.16	0.2	0.41	0.41	0.35	0.2	0.44	0.23	0.27
recall	0.7	0.7	0.89	1	1	0.68	0.7	0.58	0.58	0.61	0.22	0.67	0.56	0.42	0.65	0.65	0.75	0.4	0.5	0.8	0.85
F1	0.42	0.44	0.91	1	1	0.53	0.42	0.25	0.27	0.26	0.15	0.22	0.25	0.28	0.5	0.5	0.48	0.27	0.47	0.36	0.41
AUC	0.78	0.78	0.93	1	1	0.86	0.83	0.66	0.66	0.7	0.56	0.7	0.7	0.64	0.82	0.81	0.81	0.61	0.78	0.79	0.79
	GLM	LASSO	SVM	DT	RF	XGBoost	GBM	GLM	LASSO	SVM	DT	RF	XGBoost	GBM	GLM	LASSO	SVM	DT	RF	XGBoost	GBM