



Diagonal segments are produced by ties.

Area Under the Curve

Test Result Variable(s)	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Model with BRSK1 only	0.630	0.042	0.003	0.548	0.711
Model with CED categories only	0.676	0.040	0.000	0.598	0.755
Model with BRSK1 and CED	0.722	0.038	0.000	0.648	0.796
Model with BRSK1, CED + interaction	0.736	0.037	0.000	0.663	0.808

The test result variable(s): Model with CED categories only has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

Supplementary Figure S2. ROC based on discovery cohort.