	5 Year	· AUC	predi	cted b	y all r	nodels			
RSF + Ridge	0.65	0.78	0.69	0.71	0.69	0.71	0.705	0.716	
RSF + Ridge StepCox[forward] + Ridge StepCox[both] + SuperPC	0.66 0.63	0.78 0.76	0.68	0.7 0.67	0.69 0.65	0.71 0.74	0.703 0.692	0.712 0.704	
StepCox[backward] + SuperPC CoxBoost + Ridge	0.63	0.76 0.77	0.7	0.67 0.67	0.65	0.74	0.692 0.692	0.704 0.698	
Ston Coulforward L. SuperPC	0.61	0.77	0.69	0.65	0.68	0.69	0.682	0.696	
SuperPC StepCox[forward] + SuperPC RSF + SuperPC	0.61	0.77 0.77	0.69 0.69	0.65 0.65	0.68	0.69	0.682 0.682	0.696 0.696	
Lasso + SuperPC CoxBoost + SuperPC StepCox[forward] + Enet[a=0.1]	0.61 0.61	0.77 0.77	0.69 0.69	0.65 0.65	0.68	0.69 0.69	0.682 0.682	0.696 0.696	
StepCox[forward] + Enet[a=0.1] _StepCox[forward]	0.66	0.77 0.73	0.66 0.65	0.65	0.69	0.69	0.687 0.692	0.692 0.692	
RSF + Enet[a=0.1] Enet[a=0.1]	0.66 0.66	0.77 0.77	0.66 0.66	0.65 0.65	0.69	0.69 0.69	0.687 0.687	0.692 0.692	
StepCox[forward] + plsRcox	0.69	0.73 0.74	0.65 0.65	0.68	0.67 0.67	0.72	0.69 0.69	0.69 0.69	
Ridge plsRcox	0.69	0.73	0.65	0.68	0.67	0.72	0.69	0.69	
RSF + StepCox[forward] CoxBoost + Enet[a=0.1]	0.69	0.73 0.76	0.64	0.68	0.68	0.71	0.688	0.688 0.684	
CoxBoost + Enet[a=0.1] StepCox[forward] + Enet[a=0.2] RSF + plsRcox	0.66 0.69	0.76 0.74	0.64	0.64	0.69	0.68	0.678 0.683	0.682 0.682	
RSF + Enet[a=0.2] Enet[a=0.2]	0.66 0.66	0.76 0.76	0.64	0.64	0.69	0.68	0.678 0.678	0.682 0.682	
CoxBoost + Lassó CoxBoost + Enet[a=0.9]	0.67 0.67	0.74 0.74	0.62 0.62	0.69	0.67	0.68	0.678 0.678	0.68	
CoxBoost + Enet[a=0.8]	0.67 0.67	0.74 0.74	0.62 0.62	0.69 0.69	0.67 0.67	0.68	0.678 0.678	0.68 0.68	
CoxBoost + Enet a=0.6	0.67 0.67	0.74	0.62 0.62	0.69	0.67 0.67	0.68	0.678	0.68 0.68	Cohort
CoxBoost + Enet[a=0.6] CoxBoost + Enet[a=0.5] StepCox[forward] + Enet[a=0.3] RSF + Enet[a=0.3]	0.66	0.76	0.64	0.63	0.68	0.68	0.678 0.675	0.678	_
Enet[a=0.3]	0.66 0.66	0.76 0.76	0.64 0.64	0.63 0.63	0.68	0.68	0.675 0.675	0.678 0.678	TCGA
CoxBoost + Enet[a=0.2] StepCox[forward] + Enet[a=0.4]	0.66 0.66	0.76 0.76	0.63 0.64	0.64	0.68	0.68	0.675 0.673	0.678 0.676	GSE30219
Enet[a=0.4] CoxBoost + StepCox[forward]	0.66 0.67	0.76 0.73	0.64	0.62	0.68	0.68	0.673 0.675	0.676 0.676	GSE31210
CoxBoost + Enet[a=0.4]	0.67 0.67	0.74 0.75	0.62	0.67 0.66	0.67	0.68	0.675 0.675	0.676 0.676	GSE31210
CoxBoost + Enet[a=0.3] StepCox[forward] + Lasso	0.66	0.76	0.63	0.63	0.68	0.67	0.672	0.674	GSE3141
StepCox[forward] + CoxBoost StepCox[both] + Ridge StepCox[backward] + Ridge RSF + Lasso RSF + Enet[a=0.9]	0.66 0.67	0.75	0.63	0.64	0.67	0.68	0.672 0.673	0.674 0.674	GSE41271
StepCox[backward] + Ridge RSF + Lasso	0.67 0.66	0.71 0.76	0.63 0.63	0.69	0.65	0.69 0.67	0.673 0.672	0.674 0.674	
RSF + Enet[a=0.9] RSF + Enet[a=0.8]	0.66 0.66	0.76 0.76	0.63	0.63	0.68	0.67 0.67	0.672 0.672	0.674 0.674	GSE50081
RSF + Enet(a=0.8) RSF + Enet(a=0.5) RSF + Enet(a=0.4)	0.66 0.66	0.76 0.76	0.63 0.63	0.62 0.62	0.68	0.68	0.672 0.672	0.674 0.674	
RSF + CoxBoost Lasso + CoxBoost	0.66 0.66	0.75 0.76	0.63 0.63	0.64 0.63	0.67 0.68	0.68 0.67	0.672 0.672	0.674 0.674	AUC
Lasso	0.66	0.76	0.63	0.63	0.68	0.67	0.672	0.674	
CoxBoost StepCox[forward] + Enet[a=0.9]	0.66 0.66	0.75 0.76	0.63 0.63	0.64	0.67	0.68	0.672 0.67	0.674 0.672	0.9
StepCox[forward] + Enet[a=0.9] StepCox[forward] + Enet[a=0.8] StepCox[forward] + Enet[a=0.7] StepCox[forward] + Enet[a=0.6] StepCox[forward] + Enet[a=0.5]	0.66 0.66	0.76 0.76	0.63	0.62	0.68	0.67 0.67	0.67 0.67	0.672 0.672	0.8
StepCox[forward] + Enet[a=0.6] StepCox[forward] + Enet[a=0.5]	0.66	0.76 0.76	0.63 0.63	0.62	0.68	0.67 0.67	0.67 0.67	0.672 0.672	
RSF + Enet a=0.7 RSF + Enet a=0.6]	0.66 0.66	0.76 0.76	0.63 0.63	0.62 0.62	0.68	0.67 0.67	0.67	0.672 0.672	0.7
Enet[a=0.9]	0.66 0.66	0.76 0.76	0.63 0.63	0.62	0.68	0.67	0.67 0.67	0.672 0.672	0.6
Enet[a=0.8] Enet[a=0.7]	0.66	0.76	0.63	0.62	0.68	0.67	0.67	0.672	0.5
Enet[a=0.6] Enet[a=0.5]	0.66	0.76 0.76	0.63 0.63	0.62 0.62	0.68	0.67 0.67	0.67 0.67	0.672 0.672	<del></del>
Lasso + StepCox[forward] Lasso + plsRcox	0.66 0.66	0.75 0.75	0.62 0.62	0.63	0.67 0.67	0.68	0.668 0.668	0.67 0.67	
CoxBoost + plsRcox StepCox[both] + plsRcox	0.67 0.68	0.73	0.6	0.68	0.67	0.67 0.69	0.67 0.67	0.67 0.668	HR
StepCox[both] + Enet[a=0.3]	0.68	0.7	0.63 0.63	0.68	0.63 0.64	0.7	0.67 0.668	0.668 0.668	a HR<1
StepCox[both] + Enet[a=0.2] StepCox[both] + Enet[a=0.1] StepCox[backward] + plsRcox	0.67	0.7	0.63 0.63	0.68	0.64	0.69	0.668 0.67	0.668 0.668	a HR>1
StepCox[backward] + Enet[a=0.3] StepCox[backward] + Enet[a=0.2]	0.68 0.67	0.7	0.63	0.68	0.63	0.7	0.67 0.668	0.668 0.668	а П <b>К&gt;</b> I
StepCox[backward] + Enet[a=0.2]	0.67	0.7	0.63	0.68	0.64	0.69	0.668	0.668	
StepCox[backward] + Enet[a=0.1] StepCox[both] + Lasso StepCox[both] + Enet[a=0.9]	0.68	0.7	0.63 0.63	0.68	0.63 0.63	0.69	0.668 0.668	0.666 0.666	Value
StepCox both + Enet a=0.8 StepCox both + Enet a=0.7 StepCox both + Enet a=0.6	0.68 0.68	0.7 0.7	0.63 0.63	0.68	0.63 0.63	0.69 0.69	0.668 0.668	0.666 0.666	_
StepCox[both] + Enet[a=0.6] StepCox[both] + Enet[a=0.5]	0.68	0.7	0.63	0.68	0.63	0.69	0.668	0.666 0.666	Mean AUC in all cohorts
StepCox[both] + Enet[a=0.4]	0.68	0.7	0.63 0.63	0.68 0.68	0.63 0.63	0.69 0.69	0.668 0.668	0.666 0.666	
StepCox[both] + CoxBoost StepCox[both]	0.68	0.7	0.63	0.69	0.62	0.69	0.668	0.666	
StepCox[backward] + Lasso StepCox[backward] + Enet[a=0.9]	0.68	0.7	0.63	0.68	0.63	0.69	0.668 0.668	0.666 0.666	
StepCox backward + Enet a=0.8 StepCox backward + Enet a=0.7 StepCox backward + Enet a=0.6	0.68	0.7	0.63	0.68	0.63	0.69	0.668 0.668	0.666 0.666	Mean AUC in validate cohorts
StepCox[backward] + Enet[a=0.6] StepCox[backward] + Enet[a=0.5]	0.68	0.7	0.63 0.63	0.68	0.63	0.69	0.668 0.668	0.666 0.666	_
StepCox[backward] + Enet[a=0.5] StepCox[backward] + Enet[a=0.4] StepCox[backward] + CoxBoost	0.68	0.7	0.63	0.68	0.63	0.69	0.668 0.668	0.666 0.666	
StepCox[backward] RSF + StepCox[both]	0.68 0.68	0.7 0.7	0.63 0.63	0.69 0.69	0.62 0.62	0.69 0.69	0.668 0.668	0.666 0.666	
RSF + StepCox[backward] Lasso + GBM	0.68	0.7	0.63	0.69	0.62	0.69 0.72	0.668 0.685	0.666 0.666	
CoxBoost + StepCox[both]	0.66	0.71	0.61	0.67	0.64	0.67	0.66	0.66	
CoxBoost + StepCox[backward] StepCox[forward] + GBM	0.66	0.71 0.76	0.61 0.58	0.67	0.64	0.67 0.73	0.66 0.68	0.66 0.658	
GBM CoxBoost + GBM	0.79 0.78	0.76 0.73	0.58 0.57	0.59	0.63 0.65	0.73 0.71	0.68 0.673	0.658 0.652	
CoxBoost + GBM RSF + GBM StepCox[both] + survival–SVM	0.8	0.75 0.72	0.58 0.59	0.58 0.57	0.62 0.67	0.72	0.675 0.638	0.65	
StepCox[backward] + survival–SVM Lasso + StepCox[both]	0.61	0.72	0.59 0.62	0.57	0.67 0.65	0.67	0.638 0.633	0.644	
Lasso + StepCox[backward]	0.65	0.7	0.62	0.48	0.65	0.7	0.633	0.63	
StepCox[forward] + RSF RSF	0.99	0.72		0.53	0.61	0.61	0.672 0.672	0.608	
RSF + survival–SVM Lasso + RSF	0.59	0.73 0.68	0.56 0.59	0.47	0.65 0.58	0.61	0.602 0.665	0.604	
Lasso + RSF Lasso + survival–SVM survival – SVM	0.59 0.59	0.51 0.72	0.67	0.57	0.59 0.65	0.61 <b>0.57</b>	0.59 0.588	0.59 0.588	
StepCoxitorwardi + survival-SVM	0.59	0. <b>72</b> 0.64	<b>0.5</b> 0.61	0.5 0.49	0.65 0.63	<b>0.57</b> 0.57	0.588 0.627	0.588 0.588	
StepCox[both] + GBM StepCox[backward] + GBM CoxBoost + survival–SVM	0.82	0.64	0.61 <b>0.55</b>	0.49	0.63 0.63	0.57 0.58	0.627 0.587	0.588 0.582	
StepCox[both] + RSF StepCox[backward] + RSF	0.99	0.5	0.57 0.57	0.63	0.52	0.64	0.642	0.572	
Siepoux[backward] + RSF	0.99	0.5	0.57	0.63	0.52	0.64	0.642	0.572	