

Model	Form	AUC <sub>train</sub>	AUC <sub>val</sub>	AUC <sub>test</sub>	Size
(1)	Age + Sex	0.6918	0.6952	0.6883	2
(2)	Age + Sex + 10 PCs	0.6927	0.6959	0.6889	12
(3)	(2) + Single SNP	0.6963	0.6982	0.6921	13
(4)	(2) + 10K Combined	0.7402	0.6956	0.6880	10,012
(5)	(2) + 100K Combined	0.8518	0.6607	0.6547	100,012
(6)	Sequential LR	0.7540	0.7167	0.7137	1,012
(7)	Lasso	0.7832	0.7259	<b>0.7191</b>	4,277
(8)	Relaxed Lasso	0.7273	0.7220	0.7166	125
(9)	Elastic Net	0.7830	0.7259	0.7190	4,289