Additional file 1

Comparisons on the adopted wavelet-based and classic LASSO methods with diverse predictors, and the optimal methods are marked out with red color, respectively.

	Wavelet function	AUC at 3 years	AUC at 5 years	Predictors
	db2	0.799	0.937	5
	db3	0.799	0.937	5
	db4	0.799	0.937	5
db	db5	0.799	0.937	5
	db6	0.799	0.937	5
	db7	0.760	0.822	4
	db8	0.760	0.822	4
	bior1.1	0.806	0.918	6
	bior1.3	0.806	0.918	6
	bior1.5	0.830	0.913	10
	bior2.2	0.806	0.918	6
	bior2.4	0.806	0.918	6
	bior2.6	0.843	0.911	9
	bior2.8	0.843	0.911	9
bior	bior3.1	0.864	0.704	3
	bior3.3	0.851	0.864	13
	bior3.5	0.843	0.911	9
	bior3.7	0.843	0.911	9
	bior3.9	0.843	0.911	9
	bior4.4	0.806	0.918	6
	bior5.5	0.806	0.918	6
	bior6.8	0.830	0.913	10
	sym2	0.872	0.899	14
	sym3	0.802	0.787	12
	sym4	0.849	0.848	13
sym	sym5	0.819	0.781	4
	sym6	0.667	0.714	3
	sym7	0.829	0.748	2
	sym8	0.758	0.704	2
	coif2	0.798	0.916	4
	coif3	0.798	0.916	4
coif	coif4	0.797	0.867	5
	coif5	0.797	0.867	5
LASSO		0.766	0.895	11