Supplementary to "Additional value of a combined genetic risk score to standard cardiovascular stratification"

Table S2 – Reclassification table comparing predicted CAD risk with and without GRS.

Predicted risk (without GRS)	Reclassified predicted risk (with GRS)				% Increase	% Decrease
FRS <10%						
CAD patients (n=629)	<25%	25%-50%	50%-75%	75%-100%		
<25%	13◊	4*	0	0	0.3%	0%
25%-50%	41·	105◊	16*	0	1%	2.6%
50%-75%	0	50·	220◊	35*	2.2%	3.2%
75%-100%	0	0	13·	132◊	0%	0.8%
NRI CAD patients	*-7.8%*					
Healthy controls (n=683)						
<25%	83◊	16*	0	0	1.2%	0%
25%-50%	157	147◊	12*	0	0.9%	11.9%
50%-75%	0	63·	167◊	9*	0.7%	4.8%
75%-100%	0	0	5·	24◊	0%	0.4%
NRI controls	*27.5%*					
NRI total	*19.7%*					
10%≤FRS≤20%						
CAD patients (n=583)	<25%	25%-50%	50%-75%	75%-100%	**% Increase**	**% Decrease**
<25%	0	0	0	0	0%	0%
25%-50%	3·	110◊	44*	0	2.8%	0.2%
50%-75%	0	41·	218◊	105*	6.7%	2.6%
75%-100%	0	0	0	62◊	0%	0%
NRI CAD patients	*18%*					
Healthy controls (n=466)						
<25%	2◊	0	0	0	0%	0%
25%-50%	29·	203◊	38*	0	2.9%	2.2%
50%-75%	0	39·	118◊	27*	2%	3%
75%-100%	0	0	0	10◊	0%	0%
NRI controls	*0.6%*					
NRI total	*18.7%*					
FRS> 20%						
CAD patients (n=354)	<25%	25%-50%	50%-75%	75%-100%	**% Increase**	**% Decrease**
<25%	0	0	0	0	0%	0%
25%-50%	0	26◊	0	0	0%	0%
50%-75%	0	9·	162◊	32*	2%	0.6%
75%-100%	0	0	2·	123◊	0%	0.1%

Predicted risk (without GRS)	Reclassified predicted risk (with GRS)				% Increase	% Decrease
NRI CAD patients	*5.9%*					
Healthy controls (n=173)						
<25%	0	0	0	0	0%	0%
25%-50%	0	46$^\diamond$	0	0	0%	0%
50%-75%	0	9$^\bullet$	85$^\diamond$	12*	0.9%	0.7%
75%-100%	0	0	0	21$^\diamond$	0%	0%
NRI controls	*-1.7%*					
NRI total	*4.2%*					

CAD, Coronary Artery Disease; NRI, Net Reclassification Improvement (categorical NRI); CI, Confidence Interval; GRS, Genetic risk score; FRS, 10-year Framingham risk score. *Number of Individuals who were reclassified into higher risk; $^\bullet$Number of individuals who were reclassified into lower risk; $^\diamond$Number of individuals that remained in the same risk group.