

# **Supplemental Material**

**Table S1. Reclassification table comparing 5-year risk of cardiovascular mortality before and after addition of NT-IGFBP-4 to the clinical model.**

Patients were divided into risk categories (<5%, 5-10%, 10-20% and >20%) and classified using a clinical model (age, sex, eGFR, hypertension, HDL, total cholesterol, systolic blood pressure, haemoglobin, current smoking, diabetes, previous AMI, multivessel coronary artery disease, complex lesion, CRP and peak TnI) with and without the addition of NT-IGFBP-4. Total NRI was the sum of NRI in patients with and without events, using the calculation:  $((\text{number of events classified upwards}) + (\text{number of events classified downwards}))/\text{total number of events} + ((\text{number of non-events classified downwards}) + (\text{number of non-events classified upwards}))/\text{total number of non-events}$ . Light gray: improved classification, white: no classification change, dark gray: worse classification.

AMI, acute myocardial infarction; CRP, C-reactive protein; CT, C-terminal; eGFR, estimated glomerular filtration rate; HDL, high-density lipoprotein; NRI, net reclassification improvement; NT-IGFBP, N-terminal insulin-like growth factor binding protein; TnI, Troponin I.

Risk classification using clinical model	Risk classification using clinical model + log <sub>2</sub> -NT-IGFBP-4					Reclassified	NRI
	<5%	5-10%	10-20%	>20%	Total		
Patients with events (n)							
<5%	7	5	0	0	12	+5	13/69 = 0.188
5-10%	1	5	5	0	11	+4	
10-20%	0	1	5	8	14	+7	
>20%	0	1	2	29	32	-3	
Total	8	12	12	37	69	+13	
Patients without events (n)							
<5%	285	19	1	0	305	-20	56/587 = 0.095
5-10%	65	50	18	4	137	+43	
10-20%	5	24	44	11	84	+18	
>20%	0	2	13	46	46	+15	
Total	355	95	76	61	587	+56	
Total NRI							0.284

**Figure S1. Frequency distribution of  $\log_2$ -NT- and  $\log_2$ -CT-IGFBP-4 and fitted normal curves.**

Frequency distributions of  $\log_2$ -NT- and  $\log_2$ -CT-IGFBP-4 in the 431 patients without events (black circles) and the 255 patients with events (gray circles), along with the fitted normal curves (black). The vertical lines mark the mean protein levels. CT, C-terminal; IGFBP, insulin-like growth factor binding protein; NT, N-terminal.

