

**Supplementary Table 1 Results of DeLong test between various predictors in different subgroups (Z value)**

Variabl Age ≥ 40 yr					Variabl Age < 40 yr				
e	AIP	WC	BMI	A-W-B	e	AIP	WC	BMI	A-W-B
AIP	1	0.288	0.286	3.328 <sup>c</sup>	AIP	1	0.351	0.175	3.664 <sup>c</sup>
WC	-	1	0.003	2.802 <sup>b</sup>	WC	-	1	0.340	3.657 <sup>c</sup>
BMI	-	-	1	2.665 <sup>b</sup>	BMI	-	-	1	4.084 <sup>d</sup>
A-W-B	-	-	-	1	A-W-B	-	-	-	1
Variabl Male					Variabl Female				
e	AIP	WC	BMI	A-W-B	e	AIP	WC	BMI	A-W-B
AIP	1	0.667	0.805	4.333 <sup>d</sup>	AIP	1	0.043	0.460	2.912 <sup>b</sup>
WC	-	1	0.236	3.547 <sup>c</sup>	WC	-	1	0.832	3.027 <sup>b</sup>
BMI	-	-	1	3.447 <sup>c</sup>	BMI	-	-	1	4.135 <sup>d</sup>
A-W-B	-	-	-	1	A-W-B	-	-	-	1
Variabl BMI ≥ 28 kg/m <sup>2</sup>					Variabl BMI < 28 kg/m <sup>2</sup>				
e	AIP	WC	BMI	A-W-B	e	AIP	WC	BMI	A-W-B
AIP	1	0.279	1.111	1.991 <sup>a</sup>	AIP	1	1.236	2.088 <sup>a</sup>	3.568 <sup>c</sup>
WC	-	1	1.190	1.125	WC	-	1	1.348	4.521 <sup>d</sup>
BMI	-	-	1	0.101	BMI	-	-	1	5.584 <sup>d</sup>
A-W-B	-	-	-	1	A-W-B	-	-	-	1

<sup>a</sup> $P < 0.05$ ; <sup>b</sup> $P < 0.01$ ; <sup>c</sup> $P < 0.001$ ; <sup>d</sup> $P < 0.0001$ .

AIP: Atherogenic index of plasma; WC: Waist circumference; BMI: Body mass index; A-W-B: Prediction model combining AIP, WC, and BMI.