

Table 4. Factor Loadings Result of FA with and without Rotation Performed on 11 Risk Factors

Rotation="None"	Blacks: All Data				Blacks: Excluding T2D				Rotation="Varimax"	Blacks: All Data				Blacks: Excluding T2D			
	Factor 1	Factor 2	Factor 3	Factor 4	Factor 1	Factor 2	Factor 3	Factor 4		Factor 1	Factor 2	Factor 3	Factor 4	Factor 1	Factor 2	Factor 3	Factor 4
Proportion of Variance	0.21	0.17	0.14	0.08	0.21	0.17	0.15	0.08	Proportion of Variance	0.23	0.14	0.14	0.09	0.23	0.15	0.14	0.09
Cumulative Variance	0.21	0.38	0.52	0.60	0.21	0.38	0.52	0.60	Cumulative Variance	0.23	0.37	0.51	0.60	0.23	0.37	0.51	0.61
Loadings: BMI†	0.45†	0.86	0.13		0.48	0.84	0.16		Loadings: BMI	0.95		0.22		0.95		0.23	
INS	0.42	0.39		0.37	0.45	0.42		0.43	INS	0.42		0.52	0.15	0.44		0.58	0.15
GLUC†	0.31	-0.18		-0.34	-0.26	-0.24		-0.38	GLUC	-0.20		-0.43	-0.12	-0.22		-0.47	
LDL	0.12			0.24	0.12	0.11		0.28	LDL			0.27				0.31	
HDL	-0.27	-0.13		-0.50	-0.28	-0.14		-0.47	HDL			-0.57		-0.12		-0.54	-0.10
TG	0.31			0.57	0.28			0.51	TG			0.64	0.11			0.57	0.12
SBP	0.14		0.99		0.15			0.99	SBP	0.13	0.99			0.15	0.99		
DBP		-0.15	0.75				-0.19	0.76	DBP		0.76				0.78		
WAIST	0.70	0.67			0.73	0.65			WAIST	0.86		0.24	0.40	0.86		0.24	0.40
WHR	1.00				1.00				WHR	0.32		0.31	0.90	0.32		0.28	0.90
%BF	0.33	0.65			0.35	0.63			%BF	0.71		0.19		0.70		0.20	

Rotation="None"	Whites: All Data				Whites: Excluding T2D				Rotation="Varimax"	Whites: All Data				Whites: Excluding T2D			
	Factor 1	Factor 2	Factor 3	Factor 4	Factor 1	Factor 2	Factor 3	Factor 4		Factor 1	Factor 2	Factor 3	Factor 4	Factor 1	Factor 2	Factor 3	Factor 4
Proportion of Variance	0.32	0.12	0.09	0.04	0.22	0.18	0.12	0.08	Proportion of Variance	0.25	0.13	0.13	0.07	0.25	0.13	0.12	0.09
Cumulative Variance	0.32	0.44	0.53	0.57	0.22	0.39	0.51	0.59	Cumulative Variance	0.25	0.37	0.50	0.57	0.25	0.38	0.50	0.59
Loadings: BMI	0.90	0.14		-0.36	0.50	0.82			Loadings: BMI	0.94	0.23			0.93		0.22	
INS	0.54	0.19	0.37	-0.15	0.40	0.46		0.35	INS	0.46	0.51	0.13		0.48	0.15	0.49	
GLUC	-0.33		-0.19		-0.23	-0.20		-0.13	GLUC	-0.26	-0.27	-0.28	-0.10	-0.23		-0.20	
LDL					0.10				LDL							0.13	
HDL	-0.25		-0.64		-0.23	-0.16		-0.62	HDL	-0.11	-0.68			-0.12		-0.67	
TG	0.28	0.14	0.58		0.27	0.18		0.56	TG	0.11	0.64			0.14		0.63	
SBP	0.19	0.86			0.17	0.24		0.88	SBP	0.14		0.88		0.14	0.92		
DBP		0.72			0.10	0.11		0.73	DBP			0.76			0.74		
WAIST	1.00				0.73	0.65			WAIST	0.86	0.21		0.47	0.88		0.20	0.38
WHR	0.72		0.17		1.00				WHR	0.40	0.27		0.69	0.38		0.24	0.89
%BF	0.77			-0.22	0.45	0.67	-0.11		%BF	0.78	0.17		0.16	0.79		0.16	0.12

† Variables were adjusted for age and center within ethnicity and gender (see Material and Methods)

† GLUC negative loadings are result of inverse squared power transformation of the original GLUC † Loadings ≥ 0.4 are in bold