Supplementary Data

Supplementary Table S1. Effect Modification by Race/Ethnic Group on Genetic Associations Between First Metabolic Syndrome Principal Component and Eight Risk Loci in the National Health and Nutrition Examination Survey III

				Non-Hispanic whites		*Non-Hispanic blacks*			*Mexican American*		
SNP, nearest gene, chromosome, and risk sllele				*Effect size*	$P_{main\ effect}$	*Effect size*	$P_{main\ effect}$	$P_{interaction}$	*Effect size*	$P_{main\ effect}$	$P_{interaction}$
rs1260326	*GCKR*	2	C	−0.021	0.69	−0.11	0.041	0.41	0.086	0.078	0.12
rs7578326	*IRS1*	2	A	0.015	0.75	0.041	0.047	0.64	0.094	0.097	0.21
rs4675095	*IRS1*	2	T	−0.023	0.78	0.13	0.12	0.17	0.24	0.013	0.042
rs6926728	*ENPP1*	6	G	0.020	0.77	−0.0052	0.93	0.72	0.0050	0.93	0.90
rs174550	*FADS1*	11	T	0.019	0.65	0.042	0.38	0.59	−0.078	0.11	0.22
rs35767	*IGF1*	12	G	0.0080	0.91	0.036	0.51	0.75	0.037	0.53	0.77
rs9939609	*FTO*	16	A	0.092	0.070	−0.0070	0.91	0.29	−0.029	0.63	0.17
rs11152213	*MCR4*	18	C	0.057	0.37	0.034	0.56	0.80	−0.066	0.38	0.30

Effect modification by race/ethnic group of eight risk single-nucleotide polymorphsims (SNPs) on the first principal component of log homeostasis model assessment of insulin resistance (logHOMA-IR), log triglycerides (logTG), body mass index (BMI), and waist circumference (eigenvalue 2.53, explained variance 63%). Effects sizes are presented as beta coefficients for each SNP in age/sex-adjusted allelic linear regression models performed separately in each race/ethnic group. *P* values correspond to those beta coefficients ($P_{\text{main effect}}$) and race/ethnic group–SNP interaction terms from models run in the entire multi-ethnic sample with whites as the referent group ($P_{\text{interaction}}$). Thresholds for statistical significance were 0.0021 for main effects and 0.0031 for SNP–race/ethnicity interaction.