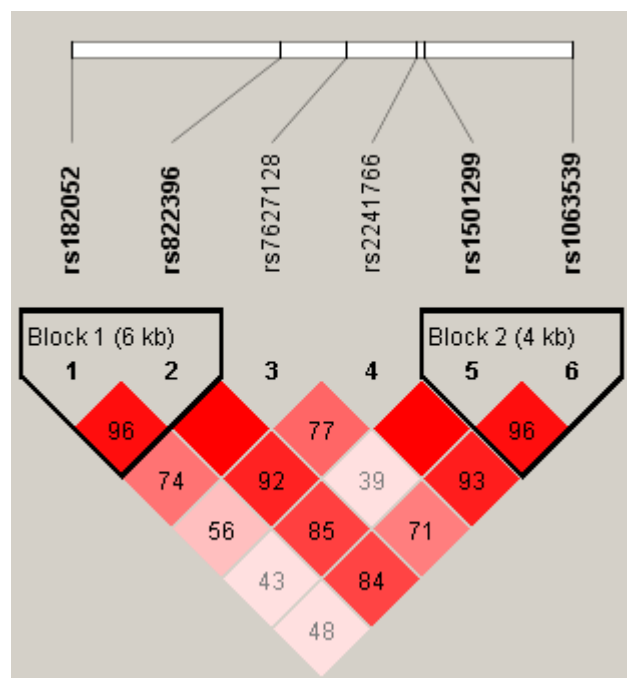


Supplementary Table

Supplementary Table S1. Validity and reliability of urinary arsenic species, plasma selenium, and red blood cell lead and cadmium.

Metals or metalloids	Method	Detection limit ($\mu\text{g/L}$)	Recovery rate	SRM	CV
Plasma selenium	Inductively coupled plasma mass spectrometry	0.193		SRMs (Seronorm Trace Elements Whole Blood L-2; SERO AS, Norway) contained 112 ± 46 mg/L of selenium, in our system 118.7 ± 11.1 mg/L ($n = 7$)	9.8%
Red blood cell lead	Inductively coupled plasma mass spectrometry	0.32		SRMs [Seronorm Trace Elements Whole Blood L-2 (Lot 1103129)] certificate value 310.0 $\mu\text{g/L}$ (range 186.0 – 434.0 $\mu\text{g/L}$), in our system 329.0 ± 17.0 $\mu\text{g/L}$	<10%
Red blood cell cadmium	Inductively coupled plasma mass spectrometry	0.07		SRMs [Seronorm Trace Elements Whole Blood L-2 (Lot 1103129)] certificate value 5.8 $\mu\text{g/L}$ (range: 5.4 – 6.2 $\mu\text{g/L}$), in our system 6.1 ± 0.5 $\mu\text{g/L}$	<10%
Arsenite (As^{III})	High-performance liquid chromatography–hydride generator–atomic absorption spectrometry	0.02	93.8–102.2%	SRM (National Institute of Standards and Technology, NIST; Gaithersburg, MD) 2670 certificate value 480 ± 100 $\mu\text{g/L}$ inorganic arsenic, in our system 507 ± 17 $\mu\text{g/L}$ ($n = 4$)	<10%
Arsenate (As^{V})		0.10			
Monomethylarsonic acid (MMA^{V})		0.07			
Dimethylarsinic acid (DMA^{V})		0.06			

(A)



(B)

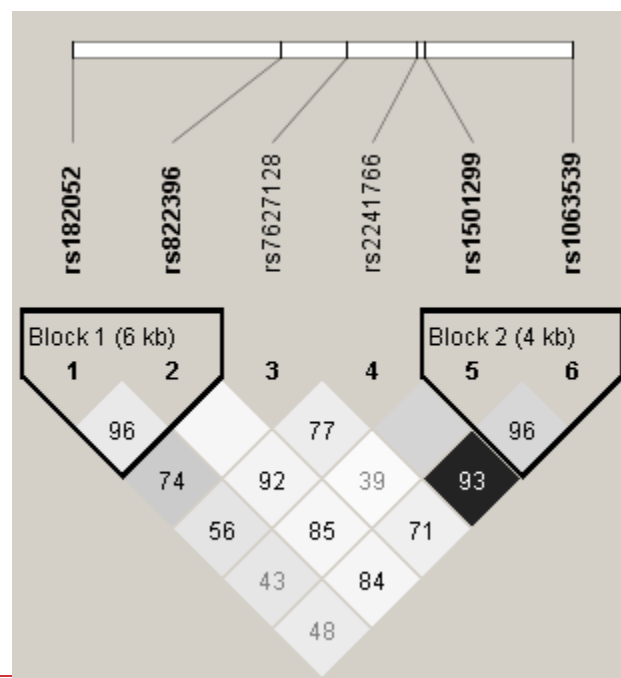


Figure S1. (A) Lewontin's D' of *ADIPOQ* block 1 (*ADIPOQ* rs182052 and *ADIPOQ* rs822396), *ADIPOQ* block 2 (*ADIPOQ* rs1501299 and *ADIPOQ* rs1063539) polymorphisms. (B) r^2 values for each pair of polymorphisms of *ADIPOQ*.

Supplementary Table S2. Haplotypes of *ADIPOQ* genes and the risk of CKD

Haplotypes of <i>ADIPOQ</i>	CKD cases (N= 218)	Controls (N = 427)	Age-sex adjusted ORs (95% CI)	Multivariate adjusted ORs (95% CI) ^a
<i>ADIPOQ</i> block 1: <i>ADIPOQ</i> rs182052 and rs822396				
G-A	206 (49.28)	372 (45.59)	1.00	1.00
A- A	166 (39.71)	357 (43.75)	0.84 (0.65–1.08)	0.78 (0.57–1.05) ⁺
G-G or A-G	46 (11.01)	87 (10.66)	0.95 (0.64–1.41)	0.90 (0.56–1.45)
<i>ADIPOQ</i> block 2: <i>ADIPOQ</i> rs1501299 and rs1063539				
G-G	175 (41.87)	346 (42.40)	1.00	1.00
G-C	126 (30.14)	246 (30.15)	1.02 (0.77–1.35)	0.94 (0.67–1.31)
T-G or T-C	117 (27.99)	224 (27.45)	1.04 (0.78–1.39)	0.96 (0.68–1.36)

Abbreviations: *ADIPOQ*, adiponectin; OR, odds ratio; CI, confidence interval.

In haplotype blocks 1 and 2, there are 18 alleles missing in cases and 38 alleles missing in controls.

^a Adjusted for age, gender, educational level, analgesic usage, disease histories of diabetes and hypertension, and alcohol, coffee, and tea consumption.

⁺0.05 ≤ *p* < 0.1.