

sTable 1. Demographic characteristics of coke-oven workers.

Parameters	Coke-oven workers (n=16)	<i>p</i>-value^c
Smoking N (%)	11 (68.8%)	
	Median (IQR) ^a	
Age in yrs	46 (35, 53)	
1-Hydroxypyrene ^b		
Pre-shift	0.29 (0.17, 0.40)	0.0002
End-of-shift	2.58 (1.15, 4.26)	
Across-the-shift	2.29 (0.98, 3.85)	
1-Naphthol ^b		
Pre-shift	0.75 (0.16, 1.23)	0.0019
End-of-shift	2.31 (0.76, 3.79)	
Across-the-shift	1.03 (0.38, 2.39)	
2-Naphthol ^b		
Pre-shift	0.42 (0.36, 1.50)	0.4437
End-of-shift	2.07 (0.95, 4.05)	
Across-the-shift	1.30 (-0.34, 3.16)	
9-Phenanthrol ^b		

Pre-shift	0.13 (0.07, 0.24)	0.0039
End-of-shift	1.00 (0.38, 1.21)	
Across-the-shift	0.87 (0.22, 1.07)	

^aIQR: Interquartile range.

^bμmole/mole creatinine.

sTable 2. Significance genes clustered based on biological process/molecular function

by DAVID Bioinformatics.

Biological process/molecular function	No. genes	Gene symbols
Metal ion binding/cation binding	10	ARFGAP2, E4F1, PHF2, ASXL2, AIFM3, HAGHL, ITSN2, PTGR1, SLC12A7, ZNF335
Transport (e.g., amino acid, ion, or electron)	6	ARFGAP2, NIPAL4, AIFM3, SLC12A7, SLC25A34, SPNS3
