Table S1. Configuration of the CCTM (CMAQ chemical transport model) modeling[a]

Configuration options	Selected modules
Gas-phase chemistry mechanism	cb05_ae5_aq
Gas-phase chemistry solver	ebi_cb05
Horizontal/vertical advection	hyamo/vwrf
Horizontal/vertical diffusion	multiscale/acm2
Aerosol module	aero5
Deposition velocity calculation	m3dry
Cloud module	cloud_acm_ae5

CCTM, Community Multiscale Air Quality Chemical Transport Model.
[a]From Oh I, et al. Meteorological characteristics in the Ulsan metropolitan region: focus on air temperature and winds. J Korean Soc Atmos Environ 2015;31(2): 181-194 (Korean).