

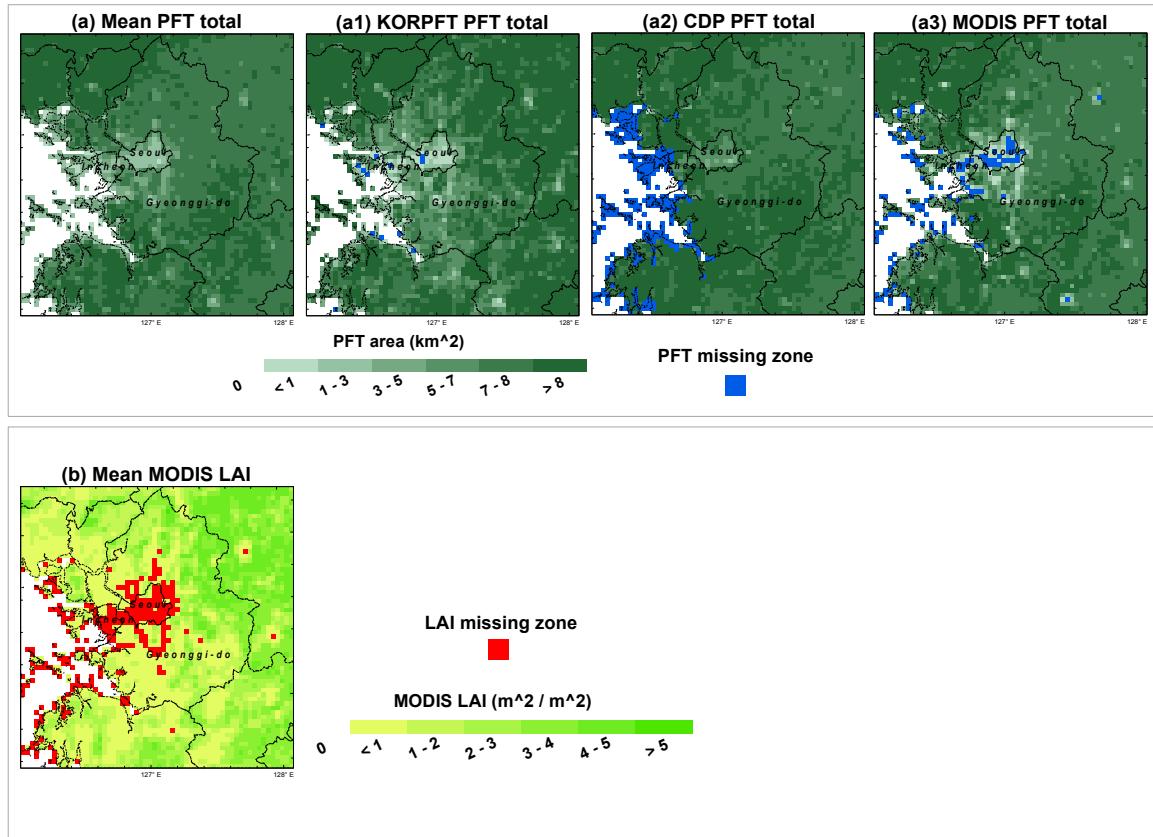


*Supplement of*

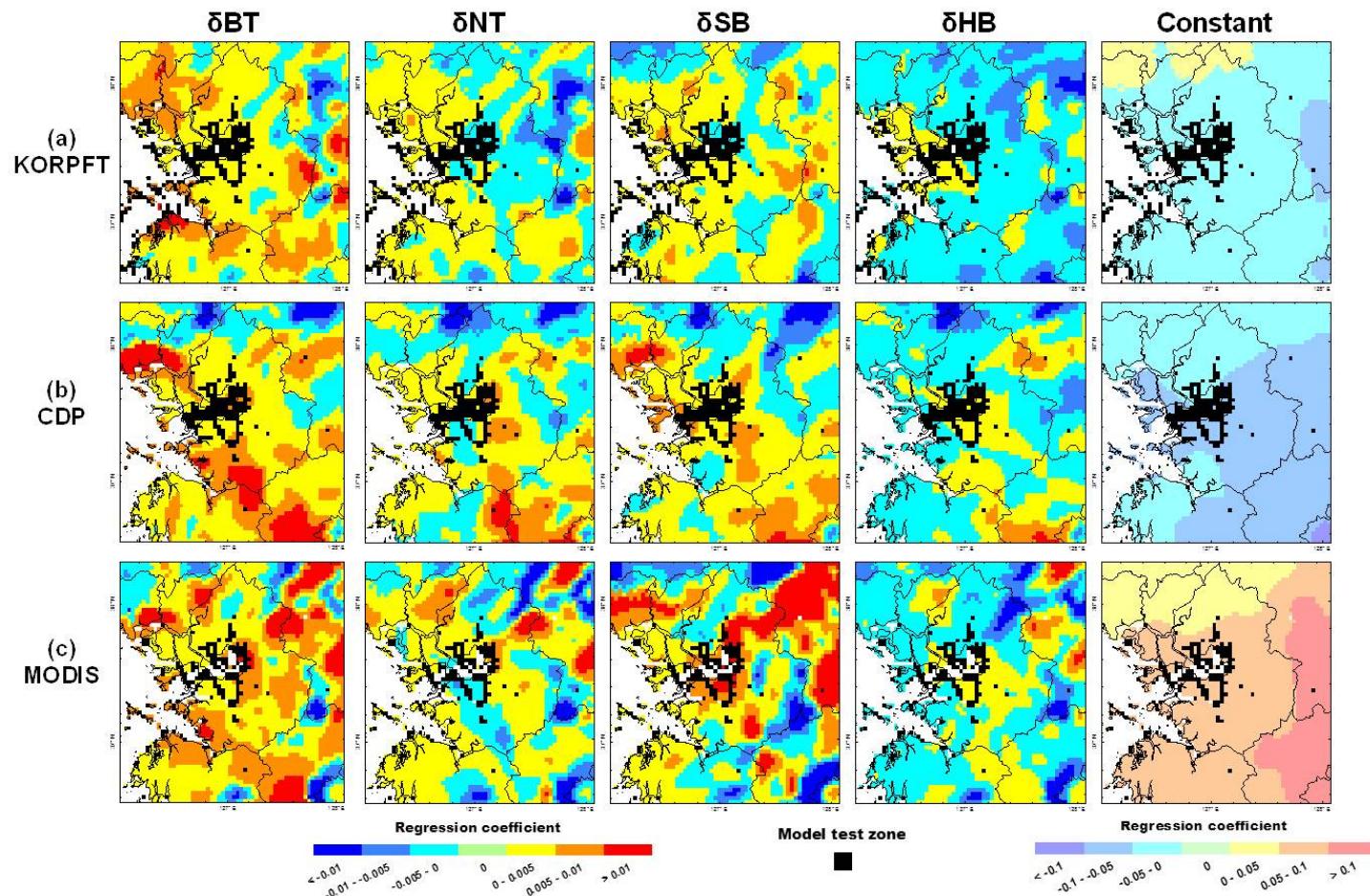
**Impacts of different plant functional types on ambient ozone predictions in the Seoul Metropolitan Areas (SMAs), Korea**

H.-K. Kim et al.

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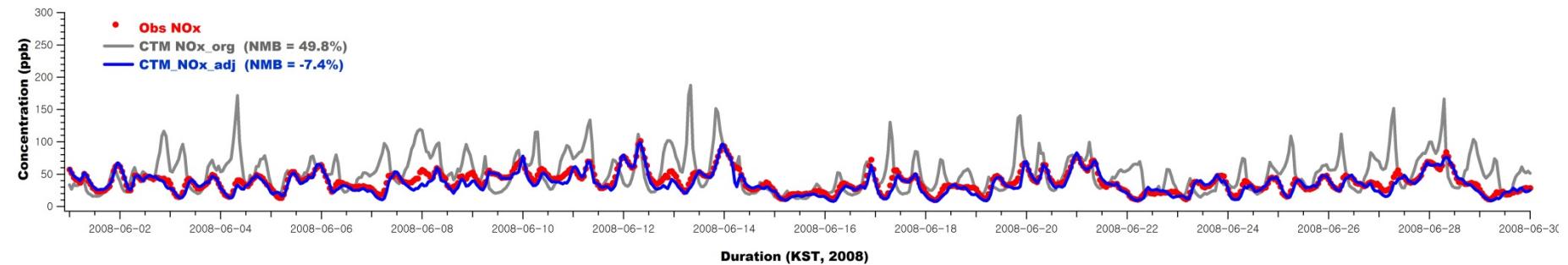
2 Figure S1. Spatial distribution of the PFT area for each PFT scenario and MODIS LAI. The mean spatial distributions for PFT total (i.e. sum  
 3 of BT, NT, SB and HB areas) were derived by averaging the three different distribution data sources (i.e., KORPFT, CDP and MODIS). The  
 4 mean MODIS LAI spatial distributions were derived by averaging the raw MODIS LAI values for the consecutive period of April to July  
 5 2008. It should be noted that the MODIS LAI values shown at Fig. S1(b) is not the LAI<sub>v</sub> values.



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2 Figure S2. Spatial distribution of the LCR-GWR parameter estimates in the study domain. At the black squared zones the OLS and LCR-  
 3 GWR models were assessed (in Sect 3.5).

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3 Figure S3. Time series of NOx concentrations for observation (Obs NOx), CMAQ simulation with original input (CTM\_NOx\_org) and  
4 CMAQ simulation with adjusted inputs (CTM\_NOx\_adj).

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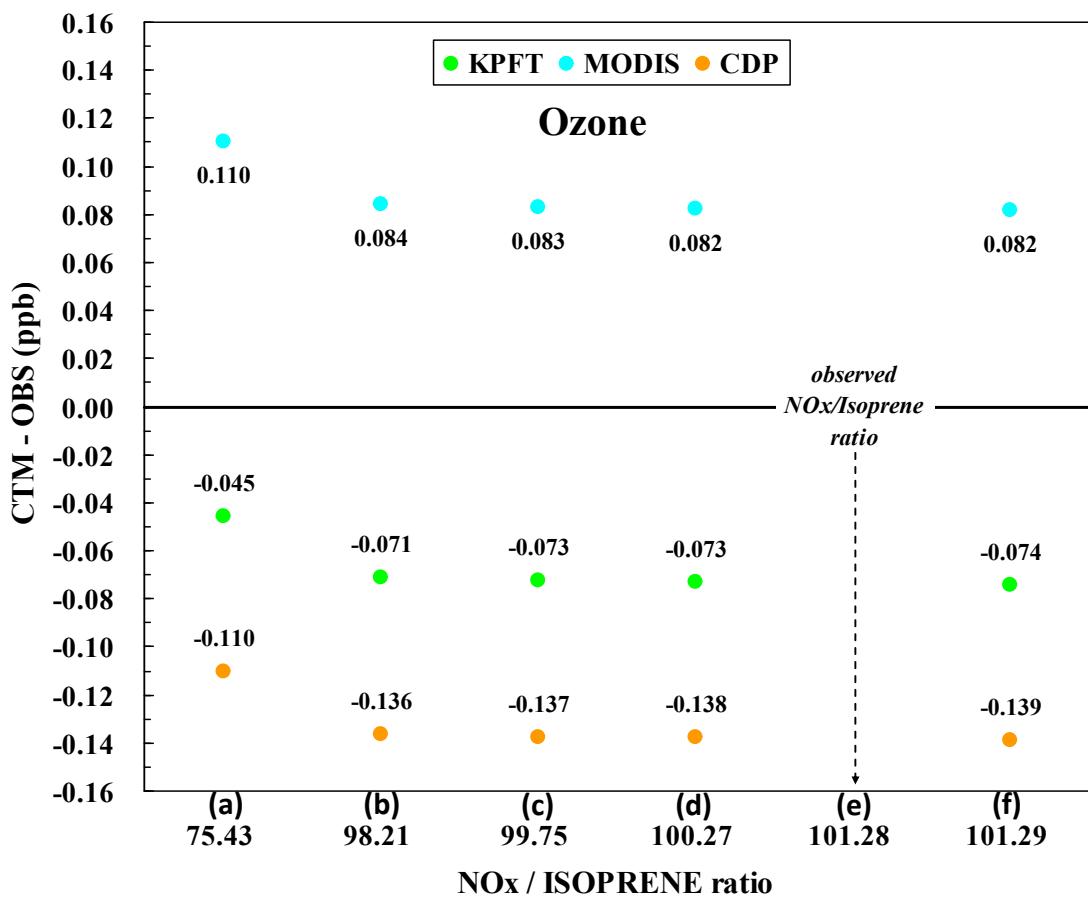
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2 Figure S4. Change in the mean bias (MB) value of O<sub>3</sub> by change in NO<sub>x</sub>/isoprene ratio.