Supplement of

Spatiotemporal variability of NO$_2$ and PM$_{2.5}$ over Eastern China: observational and model analyses with a novel statistical method

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Figure S1. Regional mean hourly time series of CMAQ simulated PM$_{2.5}$ with SOA (black line, which is used in this study) and the one without SOA (red line).
Figure S2. EOF-EEMD result for CMAQ simulated PM$_{2.5}$ with SOA (which is used in this study) and without SOA.