**Table G1: Single linear regression results between pollution exposure over the first trimester and dMRI measures in all tracts, adjusted for sex, IMD, PMA at scan, and GA at birth; beta = effect size; CI = Confidence interval; q-value = p-value after FDR correction. WM microstructure metrics are coded as follows: First the type of metric, followed by the tract, and l = left, or r = right hemisphere, respectively. FA = fractional anisotropy; MD = mean diffusivity; fintra = neurite density index (NDI); OD = orientation dispersion index (ODI). Tract abbreviations: ac = anterior commissure; af = arguate fasciculus; ar = anterior radiations; atr = anterior thalamic radiations; cbd = dorsal cingulum; cbp = peri-genual cingulum tract; cbt = temporal cingulum; cst = corticospinal tract; fa = ; fma = forceps major; fmi = forceps minor; fx = fornix; ifo = inferior fronto-occipital fasciculus; ilf = inferior longitudinal fasciculus; mcp = middle cerebellar peduncle; mdlf = middle longitudinal fasciculus; or = optic radiation; slf(1,2,3) = superior longitudinal fasciculi; str = superior thalamic radiation; uf = uncinate fasciculus; vof = vertical occipital fasciculus.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **WM microstructure metric** | **Pollutant** | ***beta***  **(in 10-3)** | **Std. error (in 10-3)** | **Lower CI**  **(in 10-3)** | **Upper CI**  **(in 10-3)** | **p-value** | **q-value** |
| FA\_ac | PM2.5 | 0.165 | 0.365 | -0.554 | 0.884 | 0.652 | 0.855 |
| FA\_ac | PM10 | 0.030 | 0.298 | -0.557 | 0.616 | 0.921 | 0.971 |
| FA\_ac | NO2 | 0.060 | 0.141 | -0.219 | 0.338 | 0.673 | 0.855 |
| FA\_af\_l | PM2.5 | -0.552 | 0.401 | -1.341 | 0.238 | 0.170 | 0.608 |
| FA\_af\_l | PM10 | -0.281 | 0.328 | -0.927 | 0.365 | 0.393 | 0.765 |
| FA\_af\_l | NO2 | -0.018 | 0.156 | -0.324 | 0.289 | 0.910 | 0.966 |
| FA\_af\_r | PM2.5 | -0.843 | 0.399 | -1.628 | -0.057 | 0.036 | 0.517 |
| FA\_af\_r | PM10 | -0.519 | 0.327 | -1.163 | 0.124 | 0.113 | 0.551 |
| FA\_af\_r | NO2 | -0.103 | 0.156 | -0.409 | 0.204 | 0.509 | 0.811 |
| FA\_ar\_l | PM2.5 | -0.608 | 0.377 | -1.350 | 0.135 | 0.108 | 0.551 |
| FA\_ar\_l | PM10 | -0.351 | 0.308 | -0.958 | 0.256 | 0.256 | 0.664 |
| FA\_ar\_l | NO2 | -0.158 | 0.146 | -0.446 | 0.130 | 0.280 | 0.664 |
| FA\_ar\_r | PM2.5 | -0.623 | 0.384 | -1.378 | 0.133 | 0.106 | 0.551 |
| FA\_ar\_r | PM10 | -0.248 | 0.314 | -0.867 | 0.372 | 0.432 | 0.791 |
| FA\_ar\_r | NO2 | -0.051 | 0.149 | -0.345 | 0.243 | 0.731 | 0.894 |
| FA\_atr\_l | PM2.5 | -0.854 | 0.450 | -1.740 | 0.032 | 0.059 | 0.518 |
| FA\_atr\_l | PM10 | -0.833 | 0.366 | -1.553 | -0.112 | 0.024 | 0.517 |
| FA\_atr\_l | NO2 | -0.350 | 0.174 | -0.692 | -0.008 | 0.045 | 0.517 |
| FA\_atr\_r | PM2.5 | -0.872 | 0.443 | -1.746 | 0.001 | 0.050 | 0.517 |
| FA\_atr\_r | PM10 | -0.840 | 0.361 | -1.551 | -0.130 | 0.021 | 0.517 |
| FA\_atr\_r | NO2 | -0.302 | 0.172 | -0.640 | 0.037 | 0.080 | 0.546 |
| FA\_cbd\_l | PM2.5 | -1.100 | 0.437 | -1.961 | -0.240 | 0.012 | 0.517 |
| FA\_cbd\_l | PM10 | -0.975 | 0.356 | -1.676 | -0.275 | 0.007 | 0.517 |
| FA\_cbd\_l | NO2 | -0.348 | 0.170 | -0.682 | -0.013 | 0.042 | 0.517 |
| FA\_cbd\_r | PM2.5 | -0.661 | 0.454 | -1.555 | 0.234 | 0.147 | 0.593 |
| FA\_cbd\_r | PM10 | -0.531 | 0.371 | -1.261 | 0.199 | 0.153 | 0.593 |
| FA\_cbd\_r | NO2 | -0.095 | 0.176 | -0.442 | 0.253 | 0.592 | 0.839 |
| FA\_cbp\_l | PM2.5 | -0.669 | 0.657 | -1.963 | 0.625 | 0.309 | 0.679 |
| FA\_cbp\_l | PM10 | -0.381 | 0.536 | -1.438 | 0.675 | 0.478 | 0.811 |
| FA\_cbp\_l | NO2 | -0.027 | 0.255 | -0.528 | 0.475 | 0.916 | 0.970 |
| FA\_cbp\_r | PM2.5 | -0.907 | 0.660 | -2.207 | 0.394 | 0.171 | 0.608 |
| FA\_cbp\_r | PM10 | -0.460 | 0.540 | -1.524 | 0.603 | 0.395 | 0.765 |
| FA\_cbp\_r | NO2 | -0.006 | 0.256 | -0.511 | 0.499 | 0.981 | 0.993 |
| FA\_cbt\_l | PM2.5 | -0.724 | 0.279 | -1.273 | -0.174 | 0.010 | 0.517 |
| FA\_cbt\_l | PM10 | -0.562 | 0.228 | -1.011 | -0.114 | 0.014 | 0.517 |
| FA\_cbt\_l | NO2 | -0.216 | 0.108 | -0.429 | -0.002 | 0.048 | 0.517 |
| FA\_cbt\_r | PM2.5 | -0.778 | 0.324 | -1.417 | -0.139 | 0.017 | 0.517 |
| FA\_cbt\_r | PM10 | -0.574 | 0.265 | -1.096 | -0.051 | 0.031 | 0.517 |
| FA\_cbt\_r | NO2 | -0.200 | 0.126 | -0.449 | 0.049 | 0.115 | 0.551 |
| FA\_cst\_l | PM2.5 | -0.663 | 0.565 | -1.777 | 0.450 | 0.242 | 0.653 |
| FA\_cst\_l | PM10 | -0.318 | 0.462 | -1.228 | 0.593 | 0.493 | 0.811 |
| FA\_cst\_l | NO2 | -0.123 | 0.219 | -0.555 | 0.309 | 0.575 | 0.833 |
| FA\_cst\_r | PM2.5 | -1.336 | 0.541 | -2.402 | -0.270 | 0.014 | 0.517 |
| FA\_cst\_r | PM10 | -0.839 | 0.444 | -1.713 | 0.036 | 0.060 | 0.518 |
| FA\_cst\_r | NO2 | -0.236 | 0.212 | -0.652 | 0.181 | 0.266 | 0.664 |
| FA\_fa\_l | PM2.5 | -0.165 | 0.390 | -0.934 | 0.604 | 0.673 | 0.855 |
| FA\_fa\_l | PM10 | 0.051 | 0.319 | -0.577 | 0.679 | 0.873 | 0.953 |
| FA\_fa\_l | NO2 | 0.212 | 0.150 | -0.085 | 0.508 | 0.161 | 0.604 |
| FA\_fa\_r | PM2.5 | -0.741 | 0.361 | -1.452 | -0.031 | 0.041 | 0.517 |
| FA\_fa\_r | PM10 | -0.376 | 0.296 | -0.959 | 0.207 | 0.205 | 0.647 |
| FA\_fa\_r | NO2 | -0.010 | 0.141 | -0.288 | 0.267 | 0.941 | 0.978 |
| FA\_fma | PM2.5 | -0.454 | 0.446 | -1.332 | 0.423 | 0.309 | 0.679 |
| FA\_fma | PM10 | -0.055 | 0.364 | -0.773 | 0.662 | 0.879 | 0.953 |
| FA\_fma | NO2 | 0.120 | 0.173 | -0.220 | 0.460 | 0.488 | 0.811 |
| FA\_fmi | PM2.5 | -0.826 | 0.600 | -2.008 | 0.356 | 0.170 | 0.608 |
| FA\_fmi | PM10 | -0.745 | 0.489 | -1.709 | 0.218 | 0.129 | 0.578 |
| FA\_fmi | NO2 | -0.277 | 0.232 | -0.734 | 0.181 | 0.235 | 0.650 |
| FA\_fx\_l | PM2.5 | -0.347 | 0.342 | -1.020 | 0.326 | 0.310 | 0.679 |
| FA\_fx\_l | PM10 | -0.306 | 0.279 | -0.855 | 0.243 | 0.273 | 0.664 |
| FA\_fx\_l | NO2 | -0.063 | 0.132 | -0.324 | 0.198 | 0.636 | 0.847 |
| FA\_fx\_r | PM2.5 | -0.930 | 0.355 | -1.629 | -0.231 | 0.009 | 0.517 |
| FA\_fx\_r | PM10 | -0.672 | 0.290 | -1.244 | -0.100 | 0.021 | 0.517 |
| FA\_fx\_r | NO2 | -0.149 | 0.139 | -0.422 | 0.125 | 0.284 | 0.664 |
| FA\_ifo\_l | PM2.5 | -0.663 | 0.491 | -1.631 | 0.304 | 0.178 | 0.622 |
| FA\_ifo\_l | PM10 | -0.515 | 0.401 | -1.304 | 0.275 | 0.200 | 0.647 |
| FA\_ifo\_l | NO2 | -0.091 | 0.191 | -0.466 | 0.285 | 0.635 | 0.847 |
| FA\_ifo\_r | PM2.5 | -0.845 | 0.475 | -1.781 | 0.090 | 0.076 | 0.546 |
| FA\_ifo\_r | PM10 | -0.651 | 0.388 | -1.415 | 0.113 | 0.094 | 0.546 |
| FA\_ifo\_r | NO2 | -0.180 | 0.185 | -0.544 | 0.184 | 0.330 | 0.696 |
| FA\_ilf\_l | PM2.5 | -0.451 | 0.382 | -1.204 | 0.302 | 0.239 | 0.650 |
| FA\_ilf\_l | PM10 | -0.378 | 0.312 | -0.992 | 0.236 | 0.227 | 0.648 |
| FA\_ilf\_l | NO2 | -0.058 | 0.148 | -0.350 | 0.234 | 0.697 | 0.876 |
| FA\_ilf\_r | PM2.5 | -0.649 | 0.405 | -1.447 | 0.150 | 0.111 | 0.551 |
| FA\_ilf\_r | PM10 | -0.506 | 0.331 | -1.158 | 0.146 | 0.128 | 0.578 |
| FA\_ilf\_r | NO2 | -0.095 | 0.158 | -0.405 | 0.216 | 0.549 | 0.827 |
| FA\_mcp | PM2.5 | -0.928 | 0.364 | -1.645 | -0.211 | 0.011 | 0.517 |
| FA\_mcp | PM10 | -0.544 | 0.299 | -1.133 | 0.045 | 0.070 | 0.546 |
| FA\_mcp | NO2 | -0.156 | 0.142 | -0.436 | 0.125 | 0.275 | 0.664 |
| FA\_mdlf\_l | PM2.5 | -0.793 | 0.493 | -1.764 | 0.178 | 0.109 | 0.551 |
| FA\_mdlf\_l | PM10 | -0.486 | 0.403 | -1.280 | 0.309 | 0.230 | 0.648 |
| FA\_mdlf\_l | NO2 | -0.107 | 0.192 | -0.484 | 0.271 | 0.578 | 0.833 |
| FA\_mdlf\_r | PM2.5 | -1.029 | 0.471 | -1.957 | -0.102 | 0.030 | 0.517 |
| FA\_mdlf\_r | PM10 | -0.710 | 0.385 | -1.469 | 0.049 | 0.067 | 0.546 |
| FA\_mdlf\_r | NO2 | -0.196 | 0.184 | -0.558 | 0.166 | 0.287 | 0.664 |
| FA\_or\_l | PM2.5 | -0.528 | 0.537 | -1.585 | 0.529 | 0.326 | 0.694 |
| FA\_or\_l | PM10 | -0.275 | 0.438 | -1.138 | 0.589 | 0.531 | 0.814 |
| FA\_or\_l | NO2 | 0.078 | 0.208 | -0.332 | 0.487 | 0.709 | 0.886 |
| FA\_or\_r | PM2.5 | -1.182 | 0.542 | -2.249 | -0.115 | 0.030 | 0.517 |
| FA\_or\_r | PM10 | -0.756 | 0.444 | -1.630 | 0.118 | 0.090 | 0.546 |
| FA\_or\_r | NO2 | -0.226 | 0.211 | -0.642 | 0.190 | 0.287 | 0.664 |
| FA\_slf1\_l | PM2.5 | -0.856 | 0.440 | -1.722 | 0.011 | 0.053 | 0.518 |
| FA\_slf1\_l | PM10 | -0.400 | 0.361 | -1.110 | 0.311 | 0.269 | 0.664 |
| FA\_slf1\_l | NO2 | 0.003 | 0.172 | -0.335 | 0.340 | 0.988 | 0.993 |
| FA\_slf1\_r | PM2.5 | -1.001 | 0.445 | -1.877 | -0.125 | 0.025 | 0.517 |
| FA\_slf1\_r | PM10 | -0.544 | 0.365 | -1.263 | 0.175 | 0.137 | 0.584 |
| FA\_slf1\_r | NO2 | -0.049 | 0.174 | -0.392 | 0.293 | 0.777 | 0.920 |
| FA\_slf2\_l | PM2.5 | -0.798 | 0.455 | -1.694 | 0.098 | 0.081 | 0.546 |
| FA\_slf2\_l | PM10 | -0.523 | 0.372 | -1.256 | 0.210 | 0.161 | 0.604 |
| FA\_slf2\_l | NO2 | -0.104 | 0.177 | -0.452 | 0.245 | 0.558 | 0.828 |
| FA\_slf2\_r | PM2.5 | -0.907 | 0.413 | -1.720 | -0.093 | 0.029 | 0.517 |
| FA\_slf2\_r | PM10 | -0.510 | 0.339 | -1.177 | 0.157 | 0.134 | 0.584 |
| FA\_slf2\_r | NO2 | -0.118 | 0.161 | -0.436 | 0.200 | 0.465 | 0.807 |
| FA\_slf3\_l | PM2.5 | -0.492 | 0.392 | -1.263 | 0.280 | 0.211 | 0.647 |
| FA\_slf3\_l | PM10 | -0.178 | 0.320 | -0.809 | 0.453 | 0.579 | 0.833 |
| FA\_slf3\_l | NO2 | 0.084 | 0.152 | -0.215 | 0.383 | 0.581 | 0.833 |
| FA\_slf3\_r | PM2.5 | -0.764 | 0.363 | -1.480 | -0.048 | 0.037 | 0.517 |
| FA\_slf3\_r | PM10 | -0.431 | 0.298 | -1.018 | 0.156 | 0.150 | 0.593 |
| FA\_slf3\_r | NO2 | -0.069 | 0.142 | -0.348 | 0.211 | 0.630 | 0.846 |
| FA\_str\_l | PM2.5 | -0.613 | 0.410 | -1.421 | 0.195 | 0.136 | 0.584 |
| FA\_str\_l | PM10 | -0.483 | 0.335 | -1.143 | 0.176 | 0.150 | 0.593 |
| FA\_str\_l | NO2 | -0.122 | 0.159 | -0.436 | 0.192 | 0.445 | 0.802 |
| FA\_str\_r | PM2.5 | -0.776 | 0.375 | -1.515 | -0.037 | 0.040 | 0.517 |
| FA\_str\_r | PM10 | -0.544 | 0.307 | -1.149 | 0.060 | 0.077 | 0.546 |
| FA\_str\_r | NO2 | -0.118 | 0.146 | -0.406 | 0.171 | 0.422 | 0.789 |
| FA\_uf\_l | PM2.5 | -0.748 | 0.440 | -1.614 | 0.118 | 0.090 | 0.546 |
| FA\_uf\_l | PM10 | -0.655 | 0.358 | -1.361 | 0.051 | 0.069 | 0.546 |
| FA\_uf\_l | NO2 | -0.177 | 0.171 | -0.513 | 0.160 | 0.302 | 0.673 |
| FA\_uf\_r | PM2.5 | -0.887 | 0.400 | -1.674 | -0.100 | 0.027 | 0.517 |
| FA\_uf\_r | PM10 | -0.735 | 0.326 | -1.377 | -0.093 | 0.025 | 0.517 |
| FA\_uf\_r | NO2 | -0.216 | 0.156 | -0.522 | 0.090 | 0.166 | 0.608 |
| FA\_vof\_l | PM2.5 | -0.293 | 0.266 | -0.817 | 0.232 | 0.273 | 0.664 |
| FA\_vof\_l | PM10 | -0.034 | 0.218 | -0.463 | 0.394 | 0.875 | 0.953 |
| FA\_vof\_l | NO2 | 0.074 | 0.103 | -0.129 | 0.277 | 0.476 | 0.811 |
| FA\_vof\_r | PM2.5 | -0.762 | 0.269 | -1.291 | -0.233 | 0.005 | 0.517 |
| FA\_vof\_r | PM10 | -0.442 | 0.221 | -0.877 | -0.006 | 0.047 | 0.517 |
| FA\_vof\_r | NO2 | -0.091 | 0.106 | -0.298 | 0.117 | 0.391 | 0.765 |
| fintra\_ac | PM2.5 | -0.315 | 0.444 | -1.190 | 0.560 | 0.479 | 0.811 |
| fintra\_ac | PM10 | -0.306 | 0.362 | -1.020 | 0.407 | 0.399 | 0.770 |
| fintra\_ac | NO2 | 0.055 | 0.172 | -0.284 | 0.393 | 0.751 | 0.899 |
| fintra\_af\_l | PM2.5 | -0.454 | 0.568 | -1.573 | 0.664 | 0.424 | 0.789 |
| fintra\_af\_l | PM10 | -0.255 | 0.464 | -1.168 | 0.659 | 0.583 | 0.833 |
| fintra\_af\_l | NO2 | 0.115 | 0.220 | -0.318 | 0.548 | 0.602 | 0.841 |
| fintra\_af\_r | PM2.5 | -0.958 | 0.538 | -2.018 | 0.102 | 0.076 | 0.546 |
| fintra\_af\_r | PM10 | -0.570 | 0.440 | -1.438 | 0.297 | 0.196 | 0.646 |
| fintra\_af\_r | NO2 | -0.014 | 0.210 | -0.427 | 0.399 | 0.947 | 0.981 |
| fintra\_ar\_l | PM2.5 | -0.085 | 0.420 | -0.912 | 0.742 | 0.839 | 0.948 |
| fintra\_ar\_l | PM10 | 0.050 | 0.343 | -0.625 | 0.725 | 0.884 | 0.953 |
| fintra\_ar\_l | NO2 | 0.206 | 0.162 | -0.113 | 0.525 | 0.204 | 0.647 |
| fintra\_ar\_r | PM2.5 | -0.291 | 0.406 | -1.091 | 0.509 | 0.474 | 0.811 |
| fintra\_ar\_r | PM10 | -0.081 | 0.332 | -0.734 | 0.572 | 0.807 | 0.929 |
| fintra\_ar\_r | NO2 | 0.108 | 0.157 | -0.202 | 0.417 | 0.493 | 0.811 |
| fintra\_atr\_l | PM2.5 | -1.028 | 0.524 | -2.061 | 0.005 | 0.051 | 0.517 |
| fintra\_atr\_l | PM10 | -1.042 | 0.426 | -1.882 | -0.203 | 0.015 | 0.517 |
| fintra\_atr\_l | NO2 | -0.336 | 0.203 | -0.736 | 0.065 | 0.100 | 0.551 |
| fintra\_atr\_r | PM2.5 | -1.015 | 0.534 | -2.067 | 0.038 | 0.059 | 0.518 |
| fintra\_atr\_r | PM10 | -1.012 | 0.434 | -1.867 | -0.156 | 0.021 | 0.517 |
| fintra\_atr\_r | NO2 | -0.289 | 0.207 | -0.698 | 0.120 | 0.165 | 0.608 |
| fintra\_cbd\_l | PM2.5 | -0.614 | 0.512 | -1.622 | 0.395 | 0.232 | 0.650 |
| fintra\_cbd\_l | PM10 | -0.545 | 0.417 | -1.367 | 0.278 | 0.193 | 0.646 |
| fintra\_cbd\_l | NO2 | -0.102 | 0.199 | -0.493 | 0.289 | 0.607 | 0.842 |
| fintra\_cbd\_r | PM2.5 | -0.908 | 0.537 | -1.965 | 0.149 | 0.092 | 0.546 |
| fintra\_cbd\_r | PM10 | -0.782 | 0.437 | -1.643 | 0.080 | 0.075 | 0.546 |
| fintra\_cbd\_r | NO2 | -0.122 | 0.209 | -0.533 | 0.289 | 0.560 | 0.828 |
| fintra\_cbp\_l | PM2.5 | -0.257 | 0.585 | -1.409 | 0.895 | 0.661 | 0.855 |
| fintra\_cbp\_l | PM10 | -0.278 | 0.477 | -1.217 | 0.662 | 0.561 | 0.828 |
| fintra\_cbp\_l | NO2 | -0.028 | 0.226 | -0.474 | 0.418 | 0.901 | 0.958 |
| fintra\_cbp\_r | PM2.5 | -0.745 | 0.589 | -1.905 | 0.414 | 0.207 | 0.647 |
| fintra\_cbp\_r | PM10 | -0.703 | 0.480 | -1.648 | 0.242 | 0.144 | 0.593 |
| fintra\_cbp\_r | NO2 | -0.020 | 0.228 | -0.470 | 0.430 | 0.929 | 0.975 |
| fintra\_cbt\_l | PM2.5 | -0.262 | 0.338 | -0.928 | 0.403 | 0.438 | 0.800 |
| fintra\_cbt\_l | PM10 | -0.357 | 0.275 | -0.899 | 0.184 | 0.195 | 0.646 |
| fintra\_cbt\_l | NO2 | -0.162 | 0.130 | -0.419 | 0.095 | 0.215 | 0.648 |
| fintra\_cbt\_r | PM2.5 | -0.214 | 0.318 | -0.839 | 0.412 | 0.501 | 0.811 |
| fintra\_cbt\_r | PM10 | -0.222 | 0.259 | -0.732 | 0.288 | 0.392 | 0.765 |
| fintra\_cbt\_r | NO2 | -0.061 | 0.123 | -0.303 | 0.181 | 0.619 | 0.845 |
| fintra\_cst\_l | PM2.5 | -0.246 | 0.495 | -1.221 | 0.729 | 0.619 | 0.845 |
| fintra\_cst\_l | PM10 | 0.086 | 0.404 | -0.710 | 0.882 | 0.831 | 0.945 |
| fintra\_cst\_l | NO2 | 0.151 | 0.191 | -0.226 | 0.528 | 0.430 | 0.791 |
| fintra\_cst\_r | PM2.5 | -0.616 | 0.476 | -1.553 | 0.322 | 0.197 | 0.646 |
| fintra\_cst\_r | PM10 | -0.245 | 0.389 | -1.012 | 0.522 | 0.530 | 0.814 |
| fintra\_cst\_r | NO2 | 0.058 | 0.185 | -0.306 | 0.422 | 0.755 | 0.901 |
| fintra\_fa\_l | PM2.5 | -0.368 | 0.550 | -1.452 | 0.716 | 0.504 | 0.811 |
| fintra\_fa\_l | PM10 | -0.230 | 0.449 | -1.115 | 0.654 | 0.608 | 0.842 |
| fintra\_fa\_l | NO2 | 0.137 | 0.213 | -0.282 | 0.557 | 0.519 | 0.811 |
| fintra\_fa\_r | PM2.5 | -0.752 | 0.526 | -1.789 | 0.285 | 0.154 | 0.593 |
| fintra\_fa\_r | PM10 | -0.471 | 0.430 | -1.318 | 0.377 | 0.275 | 0.664 |
| fintra\_fa\_r | NO2 | 0.026 | 0.204 | -0.377 | 0.428 | 0.900 | 0.958 |
| fintra\_fma | PM2.5 | -0.147 | 0.503 | -1.137 | 0.844 | 0.771 | 0.914 |
| fintra\_fma | PM10 | 0.040 | 0.410 | -0.768 | 0.849 | 0.922 | 0.971 |
| fintra\_fma | NO2 | 0.236 | 0.194 | -0.146 | 0.618 | 0.224 | 0.648 |
| fintra\_fmi | PM2.5 | -1.017 | 0.577 | -2.154 | 0.119 | 0.079 | 0.546 |
| fintra\_fmi | PM10 | -0.868 | 0.470 | -1.794 | 0.059 | 0.066 | 0.546 |
| fintra\_fmi | NO2 | -0.251 | 0.224 | -0.693 | 0.190 | 0.263 | 0.664 |
| fintra\_fx\_l | PM2.5 | -0.461 | 0.526 | -1.497 | 0.574 | 0.381 | 0.757 |
| fintra\_fx\_l | PM10 | -0.606 | 0.428 | -1.448 | 0.237 | 0.158 | 0.600 |
| fintra\_fx\_l | NO2 | -0.478 | 0.201 | -0.875 | -0.081 | 0.018 | 0.517 |
| fintra\_fx\_r | PM2.5 | -0.343 | 0.412 | -1.154 | 0.469 | 0.407 | 0.773 |
| fintra\_fx\_r | PM10 | -0.429 | 0.335 | -1.090 | 0.232 | 0.202 | 0.647 |
| fintra\_fx\_r | NO2 | -0.231 | 0.159 | -0.544 | 0.082 | 0.147 | 0.593 |
| fintra\_ifo\_l | PM2.5 | -0.581 | 0.499 | -1.564 | 0.401 | 0.245 | 0.654 |
| fintra\_ifo\_l | PM10 | -0.514 | 0.407 | -1.315 | 0.288 | 0.208 | 0.647 |
| fintra\_ifo\_l | NO2 | -0.083 | 0.193 | -0.464 | 0.298 | 0.667 | 0.855 |
| fintra\_ifo\_r | PM2.5 | -0.882 | 0.488 | -1.843 | 0.079 | 0.072 | 0.546 |
| fintra\_ifo\_r | PM10 | -0.642 | 0.399 | -1.427 | 0.143 | 0.109 | 0.551 |
| fintra\_ifo\_r | NO2 | -0.099 | 0.190 | -0.473 | 0.275 | 0.602 | 0.841 |
| fintra\_ilf\_l | PM2.5 | -0.343 | 0.454 | -1.237 | 0.551 | 0.451 | 0.802 |
| fintra\_ilf\_l | PM10 | -0.411 | 0.370 | -1.140 | 0.317 | 0.267 | 0.664 |
| fintra\_ilf\_l | NO2 | -0.049 | 0.176 | -0.395 | 0.298 | 0.782 | 0.922 |
| fintra\_ilf\_r | PM2.5 | -0.626 | 0.432 | -1.477 | 0.225 | 0.149 | 0.593 |
| fintra\_ilf\_r | PM10 | -0.578 | 0.352 | -1.271 | 0.116 | 0.102 | 0.551 |
| fintra\_ilf\_r | NO2 | -0.072 | 0.168 | -0.402 | 0.259 | 0.669 | 0.855 |
| fintra\_mcp | PM2.5 | -0.182 | 0.531 | -1.227 | 0.864 | 0.733 | 0.894 |
| fintra\_mcp | PM10 | -0.370 | 0.433 | -1.222 | 0.482 | 0.393 | 0.765 |
| fintra\_mcp | NO2 | -0.170 | 0.205 | -0.574 | 0.234 | 0.408 | 0.773 |
| fintra\_mdlf\_l | PM2.5 | -0.388 | 0.524 | -1.420 | 0.644 | 0.460 | 0.807 |
| fintra\_mdlf\_l | PM10 | -0.269 | 0.428 | -1.112 | 0.573 | 0.529 | 0.814 |
| fintra\_mdlf\_l | NO2 | 0.109 | 0.203 | -0.291 | 0.508 | 0.593 | 0.839 |
| fintra\_mdlf\_r | PM2.5 | -0.762 | 0.479 | -1.706 | 0.183 | 0.113 | 0.551 |
| fintra\_mdlf\_r | PM10 | -0.464 | 0.392 | -1.236 | 0.308 | 0.238 | 0.650 |
| fintra\_mdlf\_r | NO2 | 0.032 | 0.186 | -0.335 | 0.400 | 0.862 | 0.953 |
| fintra\_or\_l | PM2.5 | -0.294 | 0.582 | -1.440 | 0.853 | 0.614 | 0.845 |
| fintra\_or\_l | PM10 | -0.313 | 0.475 | -1.248 | 0.622 | 0.510 | 0.811 |
| fintra\_or\_l | NO2 | -0.013 | 0.225 | -0.457 | 0.431 | 0.954 | 0.985 |
| fintra\_or\_r | PM2.5 | -0.639 | 0.528 | -1.679 | 0.401 | 0.227 | 0.648 |
| fintra\_or\_r | PM10 | -0.328 | 0.432 | -1.178 | 0.522 | 0.448 | 0.802 |
| fintra\_or\_r | NO2 | 0.081 | 0.205 | -0.323 | 0.484 | 0.694 | 0.875 |
| fintra\_slf1\_l | PM2.5 | -0.577 | 0.547 | -1.656 | 0.501 | 0.292 | 0.664 |
| fintra\_slf1\_l | PM10 | -0.247 | 0.447 | -1.128 | 0.634 | 0.581 | 0.833 |
| fintra\_slf1\_l | NO2 | 0.121 | 0.212 | -0.296 | 0.539 | 0.567 | 0.833 |
| fintra\_slf1\_r | PM2.5 | -0.959 | 0.544 | -2.030 | 0.112 | 0.079 | 0.546 |
| fintra\_slf1\_r | PM10 | -0.559 | 0.445 | -1.436 | 0.318 | 0.210 | 0.647 |
| fintra\_slf1\_r | NO2 | -0.047 | 0.212 | -0.464 | 0.370 | 0.826 | 0.944 |
| fintra\_slf2\_l | PM2.5 | -0.631 | 0.603 | -1.819 | 0.558 | 0.297 | 0.668 |
| fintra\_slf2\_l | PM10 | -0.223 | 0.493 | -1.195 | 0.748 | 0.651 | 0.855 |
| fintra\_slf2\_l | NO2 | 0.178 | 0.234 | -0.282 | 0.639 | 0.446 | 0.802 |
| fintra\_slf2\_r | PM2.5 | -0.962 | 0.562 | -2.068 | 0.145 | 0.088 | 0.546 |
| fintra\_slf2\_r | PM10 | -0.636 | 0.459 | -1.540 | 0.269 | 0.168 | 0.608 |
| fintra\_slf2\_r | NO2 | -0.055 | 0.219 | -0.486 | 0.376 | 0.802 | 0.928 |
| fintra\_slf3\_l | PM2.5 | -0.381 | 0.572 | -1.509 | 0.746 | 0.506 | 0.811 |
| fintra\_slf3\_l | PM10 | -0.159 | 0.467 | -1.080 | 0.761 | 0.733 | 0.894 |
| fintra\_slf3\_l | NO2 | 0.163 | 0.221 | -0.273 | 0.599 | 0.462 | 0.807 |
| fintra\_slf3\_r | PM2.5 | -1.002 | 0.567 | -2.118 | 0.115 | 0.078 | 0.546 |
| fintra\_slf3\_r | PM10 | -0.569 | 0.464 | -1.483 | 0.345 | 0.221 | 0.648 |
| fintra\_slf3\_r | NO2 | -0.016 | 0.221 | -0.451 | 0.419 | 0.942 | 0.978 |
| fintra\_str\_l | PM2.5 | -0.415 | 0.460 | -1.320 | 0.490 | 0.368 | 0.741 |
| fintra\_str\_l | PM10 | -0.460 | 0.374 | -1.198 | 0.277 | 0.220 | 0.648 |
| fintra\_str\_l | NO2 | -0.089 | 0.178 | -0.440 | 0.262 | 0.618 | 0.845 |
| fintra\_str\_r | PM2.5 | -0.539 | 0.446 | -1.418 | 0.341 | 0.229 | 0.648 |
| fintra\_str\_r | PM10 | -0.572 | 0.364 | -1.288 | 0.144 | 0.117 | 0.553 |
| fintra\_str\_r | NO2 | -0.078 | 0.173 | -0.419 | 0.263 | 0.654 | 0.855 |
| fintra\_uf\_l | PM2.5 | -0.966 | 0.532 | -2.014 | 0.083 | 0.071 | 0.546 |
| fintra\_uf\_l | PM10 | -0.906 | 0.433 | -1.759 | -0.052 | 0.038 | 0.517 |
| fintra\_uf\_l | NO2 | -0.165 | 0.207 | -0.573 | 0.243 | 0.427 | 0.791 |
| fintra\_uf\_r | PM2.5 | -1.069 | 0.525 | -2.103 | -0.035 | 0.043 | 0.517 |
| fintra\_uf\_r | PM10 | -0.898 | 0.428 | -1.741 | -0.055 | 0.037 | 0.517 |
| fintra\_uf\_r | NO2 | -0.181 | 0.205 | -0.584 | 0.222 | 0.377 | 0.754 |
| fintra\_vof\_l | PM2.5 | 0.057 | 0.451 | -0.832 | 0.945 | 0.900 | 0.958 |
| fintra\_vof\_l | PM10 | 0.008 | 0.368 | -0.716 | 0.733 | 0.982 | 0.993 |
| fintra\_vof\_l | NO2 | 0.260 | 0.174 | -0.082 | 0.602 | 0.136 | 0.584 |
| fintra\_vof\_r | PM2.5 | 0.005 | 0.455 | -0.892 | 0.901 | 0.992 | 0.993 |
| fintra\_vof\_r | PM10 | 0.143 | 0.371 | -0.589 | 0.874 | 0.701 | 0.880 |
| fintra\_vof\_r | NO2 | 0.361 | 0.175 | 0.017 | 0.704 | 0.040 | 0.517 |
| fiso\_ac | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.333 | 0.697 |
| fiso\_ac | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.153 | 0.593 |
| fiso\_ac | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.554 | 0.828 |
| fiso\_af\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.877 | 0.953 |
| fiso\_af\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.731 | 0.894 |
| fiso\_af\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.594 | 0.839 |
| fiso\_af\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.866 | 0.953 |
| fiso\_af\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.496 | 0.811 |
| fiso\_af\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.712 | 0.887 |
| fiso\_ar\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.249 | 0.662 |
| fiso\_ar\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.282 | 0.664 |
| fiso\_ar\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.326 | 0.694 |
| fiso\_ar\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.861 | 0.953 |
| fiso\_ar\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.522 | 0.811 |
| fiso\_ar\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.638 | 0.847 |
| fiso\_atr\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.132 | 0.583 |
| fiso\_atr\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.157 | 0.599 |
| fiso\_atr\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.302 | 0.673 |
| fiso\_atr\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.375 | 0.752 |
| fiso\_atr\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.410 | 0.775 |
| fiso\_atr\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.431 | 0.791 |
| fiso\_cbd\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.293 | 0.664 |
| fiso\_cbd\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.521 | 0.811 |
| fiso\_cbd\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.818 | 0.938 |
| fiso\_cbd\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.341 | 0.707 |
| fiso\_cbd\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.289 | 0.664 |
| fiso\_cbd\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.206 | 0.647 |
| fiso\_cbp\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.625 | 0.845 |
| fiso\_cbp\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.591 | 0.839 |
| fiso\_cbp\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.412 | 0.777 |
| fiso\_cbp\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.639 | 0.847 |
| fiso\_cbp\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.271 | 0.664 |
| fiso\_cbp\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.222 | 0.648 |
| fiso\_cbt\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.389 | 0.765 |
| fiso\_cbt\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.496 | 0.811 |
| fiso\_cbt\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.258 | 0.664 |
| fiso\_cbt\_r | PM2.5 | -0.034 | 0.050 | -0.133 | 0.065 | 0.503 | 0.811 |
| fiso\_cbt\_r | PM10 | 0.003 | 0.041 | -0.078 | 0.084 | 0.948 | 0.981 |
| fiso\_cbt\_r | NO2 | -0.005 | 0.020 | -0.043 | 0.033 | 0.801 | 0.928 |
| fiso\_cst\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.579 | 0.833 |
| fiso\_cst\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.879 | 0.953 |
| fiso\_cst\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.974 | 0.993 |
| fiso\_cst\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.782 | 0.922 |
| fiso\_cst\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.752 | 0.899 |
| fiso\_cst\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.743 | 0.899 |
| fiso\_fa\_l | PM2.5 | 0.001 | 0.062 | -0.121 | 0.123 | 0.986 | 0.993 |
| fiso\_fa\_l | PM10 | -0.033 | 0.051 | -0.132 | 0.067 | 0.520 | 0.811 |
| fiso\_fa\_l | NO2 | -0.011 | 0.024 | -0.058 | 0.037 | 0.658 | 0.855 |
| fiso\_fa\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.483 | 0.811 |
| fiso\_fa\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.941 | 0.978 |
| fiso\_fa\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.793 | 0.925 |
| fiso\_fma | PM2.5 | -0.355 | 0.360 | -1.065 | 0.355 | 0.325 | 0.694 |
| fiso\_fma | PM10 | -0.258 | 0.294 | -0.837 | 0.321 | 0.381 | 0.757 |
| fiso\_fma | NO2 | -0.061 | 0.140 | -0.336 | 0.214 | 0.664 | 0.855 |
| fiso\_fmi | PM2.5 | -0.437 | 0.593 | -1.606 | 0.732 | 0.462 | 0.807 |
| fiso\_fmi | PM10 | -0.361 | 0.484 | -1.314 | 0.593 | 0.457 | 0.807 |
| fiso\_fmi | NO2 | -0.226 | 0.229 | -0.678 | 0.225 | 0.325 | 0.694 |
| fiso\_fx\_l | PM2.5 | 1.029 | 2.368 | -3.635 | 5.693 | 0.664 | 0.855 |
| fiso\_fx\_l | PM10 | 0.376 | 1.932 | -3.431 | 4.182 | 0.846 | 0.950 |
| fiso\_fx\_l | NO2 | -1.213 | 0.913 | -3.011 | 0.586 | 0.185 | 0.638 |
| fiso\_fx\_r | PM2.5 | 0.742 | 1.961 | -3.122 | 4.605 | 0.706 | 0.884 |
| fiso\_fx\_r | PM10 | 0.048 | 1.601 | -3.105 | 3.201 | 0.976 | 0.993 |
| fiso\_fx\_r | NO2 | -0.260 | 0.759 | -1.754 | 1.235 | 0.733 | 0.894 |
| fiso\_ifo\_l | PM2.5 | -0.237 | 0.485 | -1.193 | 0.719 | 0.626 | 0.845 |
| fiso\_ifo\_l | PM10 | -0.276 | 0.396 | -1.055 | 0.504 | 0.486 | 0.811 |
| fiso\_ifo\_l | NO2 | -0.068 | 0.188 | -0.438 | 0.302 | 0.717 | 0.891 |
| fiso\_ifo\_r | PM2.5 | -0.326 | 0.354 | -1.024 | 0.372 | 0.359 | 0.727 |
| fiso\_ifo\_r | PM10 | -0.376 | 0.289 | -0.945 | 0.193 | 0.194 | 0.646 |
| fiso\_ifo\_r | NO2 | -0.037 | 0.137 | -0.307 | 0.234 | 0.788 | 0.925 |
| fiso\_ilf\_l | PM2.5 | -0.670 | 0.668 | -1.985 | 0.645 | 0.316 | 0.685 |
| fiso\_ilf\_l | PM10 | -0.623 | 0.544 | -1.695 | 0.449 | 0.253 | 0.664 |
| fiso\_ilf\_l | NO2 | -0.410 | 0.257 | -0.917 | 0.097 | 0.112 | 0.551 |
| fiso\_ilf\_r | PM2.5 | -0.418 | 0.601 | -1.601 | 0.765 | 0.487 | 0.811 |
| fiso\_ilf\_r | PM10 | -0.387 | 0.490 | -1.352 | 0.578 | 0.430 | 0.791 |
| fiso\_ilf\_r | NO2 | -0.076 | 0.233 | -0.534 | 0.382 | 0.743 | 0.899 |
| fiso\_mcp | PM2.5 | 0.019 | 0.573 | -1.109 | 1.147 | 0.973 | 0.993 |
| fiso\_mcp | PM10 | -0.061 | 0.467 | -0.982 | 0.859 | 0.896 | 0.958 |
| fiso\_mcp | NO2 | -0.296 | 0.221 | -0.731 | 0.139 | 0.181 | 0.628 |
| fiso\_mdlf\_l | PM2.5 | -0.093 | 0.290 | -0.665 | 0.479 | 0.749 | 0.899 |
| fiso\_mdlf\_l | PM10 | -0.131 | 0.237 | -0.597 | 0.335 | 0.581 | 0.833 |
| fiso\_mdlf\_l | NO2 | -0.023 | 0.112 | -0.244 | 0.199 | 0.841 | 0.948 |
| fiso\_mdlf\_r | PM2.5 | -0.134 | 0.248 | -0.623 | 0.356 | 0.591 | 0.839 |
| fiso\_mdlf\_r | PM10 | -0.202 | 0.202 | -0.601 | 0.197 | 0.319 | 0.689 |
| fiso\_mdlf\_r | NO2 | 0.003 | 0.096 | -0.186 | 0.193 | 0.973 | 0.993 |
| fiso\_or\_l | PM2.5 | -0.679 | 0.599 | -1.860 | 0.502 | 0.259 | 0.664 |
| fiso\_or\_l | PM10 | -0.750 | 0.488 | -1.711 | 0.211 | 0.126 | 0.576 |
| fiso\_or\_l | NO2 | -0.424 | 0.231 | -0.879 | 0.031 | 0.067 | 0.546 |
| fiso\_or\_r | PM2.5 | -0.115 | 0.390 | -0.883 | 0.654 | 0.770 | 0.914 |
| fiso\_or\_r | PM10 | -0.235 | 0.318 | -0.862 | 0.392 | 0.461 | 0.807 |
| fiso\_or\_r | NO2 | 0.011 | 0.151 | -0.286 | 0.309 | 0.941 | 0.978 |
| fiso\_slf1\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.475 | 0.811 |
| fiso\_slf1\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.845 | 0.950 |
| fiso\_slf1\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.882 | 0.953 |
| fiso\_slf1\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.875 | 0.953 |
| fiso\_slf1\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.534 | 0.816 |
| fiso\_slf1\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.669 | 0.855 |
| fiso\_slf2\_l | PM2.5 | 0.002 | 0.133 | -0.259 | 0.263 | 0.987 | 0.993 |
| fiso\_slf2\_l | PM10 | -0.070 | 0.108 | -0.283 | 0.143 | 0.520 | 0.811 |
| fiso\_slf2\_l | NO2 | -0.023 | 0.051 | -0.124 | 0.078 | 0.659 | 0.855 |
| fiso\_slf2\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.423 | 0.789 |
| fiso\_slf2\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.873 | 0.953 |
| fiso\_slf2\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.564 | 0.830 |
| fiso\_slf3\_l | PM2.5 | 0.001 | 0.054 | -0.105 | 0.106 | 0.987 | 0.993 |
| fiso\_slf3\_l | PM10 | -0.028 | 0.044 | -0.114 | 0.058 | 0.520 | 0.811 |
| fiso\_slf3\_l | NO2 | -0.009 | 0.021 | -0.050 | 0.032 | 0.659 | 0.855 |
| fiso\_slf3\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.483 | 0.811 |
| fiso\_slf3\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.806 | 0.929 |
| fiso\_slf3\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.834 | 0.945 |
| fiso\_str\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.516 | 0.811 |
| fiso\_str\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.968 | 0.993 |
| fiso\_str\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.905 | 0.961 |
| fiso\_str\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.539 | 0.821 |
| fiso\_str\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.291 | 0.664 |
| fiso\_str\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.404 | 0.773 |
| fiso\_uf\_l | PM2.5 | -0.151 | 0.102 | -0.352 | 0.050 | 0.139 | 0.589 |
| fiso\_uf\_l | PM10 | -0.134 | 0.083 | -0.298 | 0.030 | 0.108 | 0.551 |
| fiso\_uf\_l | NO2 | -0.047 | 0.040 | -0.125 | 0.031 | 0.235 | 0.650 |
| fiso\_uf\_r | PM2.5 | -0.226 | 0.139 | -0.500 | 0.049 | 0.107 | 0.551 |
| fiso\_uf\_r | PM10 | -0.163 | 0.114 | -0.387 | 0.062 | 0.154 | 0.593 |
| fiso\_uf\_r | NO2 | -0.058 | 0.054 | -0.164 | 0.049 | 0.288 | 0.664 |
| fiso\_vof\_l | PM2.5 | -1.017 | 0.655 | -2.307 | 0.273 | 0.122 | 0.568 |
| fiso\_vof\_l | PM10 | -0.656 | 0.535 | -1.710 | 0.399 | 0.222 | 0.648 |
| fiso\_vof\_l | NO2 | -0.306 | 0.254 | -0.807 | 0.194 | 0.229 | 0.648 |
| fiso\_vof\_r | PM2.5 | 0.004 | 0.267 | -0.522 | 0.531 | 0.987 | 0.993 |
| fiso\_vof\_r | PM10 | -0.041 | 0.218 | -0.471 | 0.388 | 0.849 | 0.950 |
| fiso\_vof\_r | NO2 | 0.052 | 0.103 | -0.152 | 0.255 | 0.617 | 0.845 |
| MD\_ac | PM2.5 | 0.001 | 0.001 | -0.001 | 0.002 | 0.286 | 0.664 |
| MD\_ac | PM10 | 0.001 | 0.001 | -0.001 | 0.002 | 0.353 | 0.721 |
| MD\_ac | NO2 | 0.000 | 0.000 | -0.001 | 0.000 | 0.667 | 0.855 |
| MD\_af\_l | PM2.5 | 0.001 | 0.001 | -0.002 | 0.004 | 0.418 | 0.783 |
| MD\_af\_l | PM10 | 0.000 | 0.001 | -0.002 | 0.003 | 0.727 | 0.894 |
| MD\_af\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.539 | 0.821 |
| MD\_af\_r | PM2.5 | 0.002 | 0.001 | -0.001 | 0.005 | 0.121 | 0.568 |
| MD\_af\_r | PM10 | 0.001 | 0.001 | -0.001 | 0.003 | 0.351 | 0.720 |
| MD\_af\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.968 | 0.993 |
| MD\_ar\_l | PM2.5 | 0.001 | 0.001 | -0.002 | 0.003 | 0.548 | 0.827 |
| MD\_ar\_l | PM10 | 0.000 | 0.001 | -0.002 | 0.002 | 0.803 | 0.928 |
| MD\_ar\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.282 | 0.664 |
| MD\_ar\_r | PM2.5 | 0.001 | 0.001 | -0.001 | 0.004 | 0.276 | 0.664 |
| MD\_ar\_r | PM10 | 0.001 | 0.001 | -0.001 | 0.002 | 0.614 | 0.845 |
| MD\_ar\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.582 | 0.833 |
| MD\_atr\_l | PM2.5 | 0.002 | 0.001 | 0.000 | 0.004 | 0.079 | 0.546 |
| MD\_atr\_l | PM10 | 0.002 | 0.001 | 0.000 | 0.004 | 0.052 | 0.517 |
| MD\_atr\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.347 | 0.716 |
| MD\_atr\_r | PM2.5 | 0.002 | 0.001 | -0.001 | 0.004 | 0.137 | 0.584 |
| MD\_atr\_r | PM10 | 0.002 | 0.001 | 0.000 | 0.003 | 0.085 | 0.546 |
| MD\_atr\_r | NO2 | 0.000 | 0.000 | -0.001 | 0.001 | 0.669 | 0.855 |
| MD\_cbd\_l | PM2.5 | 0.001 | 0.001 | -0.002 | 0.004 | 0.441 | 0.802 |
| MD\_cbd\_l | PM10 | 0.001 | 0.001 | -0.001 | 0.003 | 0.406 | 0.773 |
| MD\_cbd\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.987 | 0.993 |
| MD\_cbd\_r | PM2.5 | 0.002 | 0.001 | -0.001 | 0.005 | 0.129 | 0.578 |
| MD\_cbd\_r | PM10 | 0.002 | 0.001 | -0.001 | 0.004 | 0.167 | 0.608 |
| MD\_cbd\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.866 | 0.953 |
| MD\_cbp\_l | PM2.5 | 0.000 | 0.002 | -0.003 | 0.003 | 0.830 | 0.945 |
| MD\_cbp\_l | PM10 | 0.000 | 0.001 | -0.003 | 0.002 | 0.850 | 0.950 |
| MD\_cbp\_l | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.444 | 0.802 |
| MD\_cbp\_r | PM2.5 | 0.001 | 0.001 | -0.002 | 0.004 | 0.492 | 0.811 |
| MD\_cbp\_r | PM10 | 0.001 | 0.001 | -0.002 | 0.003 | 0.546 | 0.827 |
| MD\_cbp\_r | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.468 | 0.811 |
| MD\_cbt\_l | PM2.5 | 0.000 | 0.001 | -0.002 | 0.002 | 0.969 | 0.993 |
| MD\_cbt\_l | PM10 | 0.000 | 0.001 | -0.001 | 0.002 | 0.628 | 0.845 |
| MD\_cbt\_l | NO2 | 0.000 | 0.000 | -0.001 | 0.001 | 0.558 | 0.828 |
| MD\_cbt\_r | PM2.5 | -0.001 | 0.001 | -0.002 | 0.001 | 0.523 | 0.811 |
| MD\_cbt\_r | PM10 | 0.000 | 0.001 | -0.002 | 0.001 | 0.571 | 0.833 |
| MD\_cbt\_r | NO2 | 0.000 | 0.000 | -0.001 | 0.000 | 0.204 | 0.647 |
| MD\_cst\_l | PM2.5 | 0.002 | 0.001 | -0.001 | 0.004 | 0.243 | 0.653 |
| MD\_cst\_l | PM10 | 0.000 | 0.001 | -0.002 | 0.002 | 0.748 | 0.899 |
| MD\_cst\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.581 | 0.833 |
| MD\_cst\_r | PM2.5 | 0.002 | 0.001 | 0.000 | 0.005 | 0.048 | 0.517 |
| MD\_cst\_r | PM10 | 0.001 | 0.001 | -0.001 | 0.003 | 0.270 | 0.664 |
| MD\_cst\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.990 | 0.993 |
| MD\_fa\_l | PM2.5 | 0.001 | 0.002 | -0.002 | 0.005 | 0.481 | 0.811 |
| MD\_fa\_l | PM10 | 0.001 | 0.001 | -0.002 | 0.003 | 0.721 | 0.894 |
| MD\_fa\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.470 | 0.811 |
| MD\_fa\_r | PM2.5 | 0.002 | 0.002 | -0.001 | 0.005 | 0.260 | 0.664 |
| MD\_fa\_r | PM10 | 0.001 | 0.001 | -0.002 | 0.003 | 0.521 | 0.811 |
| MD\_fa\_r | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.672 | 0.855 |
| MD\_fma | PM2.5 | 0.000 | 0.002 | -0.003 | 0.004 | 0.888 | 0.955 |
| MD\_fma | PM10 | -0.001 | 0.001 | -0.004 | 0.002 | 0.515 | 0.811 |
| MD\_fma | NO2 | -0.001 | 0.001 | -0.003 | 0.000 | 0.036 | 0.517 |
| MD\_fmi | PM2.5 | 0.003 | 0.002 | -0.001 | 0.007 | 0.173 | 0.608 |
| MD\_fmi | PM10 | 0.002 | 0.002 | -0.001 | 0.006 | 0.154 | 0.593 |
| MD\_fmi | NO2 | 0.001 | 0.001 | -0.001 | 0.002 | 0.526 | 0.814 |
| MD\_fx\_l | PM2.5 | 0.001 | 0.002 | -0.003 | 0.005 | 0.608 | 0.842 |
| MD\_fx\_l | PM10 | 0.000 | 0.002 | -0.003 | 0.004 | 0.830 | 0.945 |
| MD\_fx\_l | NO2 | -0.001 | 0.001 | -0.003 | 0.001 | 0.190 | 0.646 |
| MD\_fx\_r | PM2.5 | 0.002 | 0.002 | -0.002 | 0.006 | 0.349 | 0.719 |
| MD\_fx\_r | PM10 | 0.001 | 0.002 | -0.002 | 0.004 | 0.596 | 0.840 |
| MD\_fx\_r | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.875 | 0.953 |
| MD\_ifo\_l | PM2.5 | 0.001 | 0.002 | -0.003 | 0.004 | 0.689 | 0.870 |
| MD\_ifo\_l | PM10 | 0.000 | 0.001 | -0.003 | 0.003 | 0.819 | 0.938 |
| MD\_ifo\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.316 | 0.685 |
| MD\_ifo\_r | PM2.5 | 0.002 | 0.002 | -0.001 | 0.006 | 0.197 | 0.646 |
| MD\_ifo\_r | PM10 | 0.001 | 0.001 | -0.002 | 0.004 | 0.414 | 0.779 |
| MD\_ifo\_r | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.783 | 0.922 |
| MD\_ilf\_l | PM2.5 | 0.000 | 0.002 | -0.004 | 0.003 | 0.876 | 0.953 |
| MD\_ilf\_l | PM10 | 0.000 | 0.001 | -0.003 | 0.003 | 0.893 | 0.957 |
| MD\_ilf\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.112 | 0.551 |
| MD\_ilf\_r | PM2.5 | 0.001 | 0.002 | -0.002 | 0.004 | 0.641 | 0.847 |
| MD\_ilf\_r | PM10 | 0.000 | 0.001 | -0.002 | 0.003 | 0.794 | 0.925 |
| MD\_ilf\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.354 | 0.721 |
| MD\_mcp | PM2.5 | 0.001 | 0.001 | -0.002 | 0.003 | 0.575 | 0.833 |
| MD\_mcp | PM10 | 0.001 | 0.001 | -0.001 | 0.003 | 0.451 | 0.802 |
| MD\_mcp | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.622 | 0.845 |
| MD\_mdlf\_l | PM2.5 | 0.000 | 0.002 | -0.003 | 0.004 | 0.841 | 0.948 |
| MD\_mdlf\_l | PM10 | 0.000 | 0.001 | -0.003 | 0.003 | 0.932 | 0.977 |
| MD\_mdlf\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.179 | 0.625 |
| MD\_mdlf\_r | PM2.5 | 0.002 | 0.002 | -0.001 | 0.005 | 0.212 | 0.648 |
| MD\_mdlf\_r | PM10 | 0.001 | 0.001 | -0.002 | 0.004 | 0.503 | 0.811 |
| MD\_mdlf\_r | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.638 | 0.847 |
| MD\_or\_l | PM2.5 | -0.001 | 0.002 | -0.005 | 0.002 | 0.465 | 0.807 |
| MD\_or\_l | PM10 | -0.002 | 0.002 | -0.005 | 0.001 | 0.294 | 0.664 |
| MD\_or\_l | NO2 | -0.002 | 0.001 | -0.003 | 0.000 | 0.018 | 0.517 |
| MD\_or\_r | PM2.5 | 0.001 | 0.002 | -0.002 | 0.005 | 0.448 | 0.802 |
| MD\_or\_r | PM10 | 0.000 | 0.001 | -0.003 | 0.003 | 0.892 | 0.957 |
| MD\_or\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.368 | 0.741 |
| MD\_slf1\_l | PM2.5 | 0.002 | 0.002 | -0.001 | 0.005 | 0.173 | 0.608 |
| MD\_slf1\_l | PM10 | 0.001 | 0.001 | -0.002 | 0.003 | 0.495 | 0.811 |
| MD\_slf1\_l | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.558 | 0.828 |
| MD\_slf1\_r | PM2.5 | 0.003 | 0.002 | 0.000 | 0.005 | 0.087 | 0.546 |
| MD\_slf1\_r | PM10 | 0.001 | 0.001 | -0.001 | 0.004 | 0.268 | 0.664 |
| MD\_slf1\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.999 | 0.999 |
| MD\_slf2\_l | PM2.5 | 0.002 | 0.002 | -0.001 | 0.006 | 0.237 | 0.650 |
| MD\_slf2\_l | PM10 | 0.001 | 0.002 | -0.002 | 0.004 | 0.554 | 0.828 |
| MD\_slf2\_l | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.640 | 0.847 |
| MD\_slf2\_r | PM2.5 | 0.003 | 0.002 | 0.000 | 0.006 | 0.091 | 0.546 |
| MD\_slf2\_r | PM10 | 0.002 | 0.001 | -0.001 | 0.004 | 0.236 | 0.650 |
| MD\_slf2\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.864 | 0.953 |
| MD\_slf3\_l | PM2.5 | 0.001 | 0.002 | -0.002 | 0.004 | 0.455 | 0.806 |
| MD\_slf3\_l | PM10 | 0.000 | 0.001 | -0.002 | 0.003 | 0.733 | 0.894 |
| MD\_slf3\_l | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.622 | 0.845 |
| MD\_slf3\_r | PM2.5 | 0.003 | 0.002 | -0.001 | 0.006 | 0.104 | 0.551 |
| MD\_slf3\_r | PM10 | 0.001 | 0.001 | -0.001 | 0.004 | 0.298 | 0.669 |
| MD\_slf3\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.877 | 0.953 |
| MD\_str\_l | PM2.5 | 0.001 | 0.001 | -0.001 | 0.003 | 0.216 | 0.648 |
| MD\_str\_l | PM10 | 0.001 | 0.001 | -0.001 | 0.002 | 0.286 | 0.664 |
| MD\_str\_l | NO2 | 0.000 | 0.000 | -0.001 | 0.001 | 0.922 | 0.971 |
| MD\_str\_r | PM2.5 | 0.001 | 0.001 | 0.000 | 0.003 | 0.144 | 0.593 |
| MD\_str\_r | PM10 | 0.001 | 0.001 | -0.001 | 0.002 | 0.214 | 0.648 |
| MD\_str\_r | NO2 | 0.000 | 0.000 | -0.001 | 0.001 | 0.935 | 0.978 |
| MD\_uf\_l | PM2.5 | 0.003 | 0.002 | 0.000 | 0.006 | 0.085 | 0.546 |
| MD\_uf\_l | PM10 | 0.002 | 0.001 | 0.000 | 0.005 | 0.103 | 0.551 |
| MD\_uf\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.748 | 0.899 |
| MD\_uf\_r | PM2.5 | 0.003 | 0.002 | 0.000 | 0.006 | 0.044 | 0.517 |
| MD\_uf\_r | PM10 | 0.002 | 0.001 | 0.000 | 0.005 | 0.081 | 0.546 |
| MD\_uf\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.002 | 0.558 | 0.828 |
| MD\_vof\_l | PM2.5 | 0.000 | 0.002 | -0.003 | 0.003 | 0.880 | 0.953 |
| MD\_vof\_l | PM10 | 0.000 | 0.001 | -0.003 | 0.002 | 0.834 | 0.945 |
| MD\_vof\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.057 | 0.518 |
| MD\_vof\_r | PM2.5 | 0.001 | 0.002 | -0.002 | 0.004 | 0.519 | 0.811 |
| MD\_vof\_r | PM10 | 0.000 | 0.001 | -0.002 | 0.002 | 0.989 | 0.993 |
| MD\_vof\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.147 | 0.593 |
| OD\_ac | PM2.5 | -1.413 | 0.463 | -2.324 | -0.502 | 0.003 | 0.517 |
| OD\_ac | PM10 | -1.134 | 0.378 | -1.878 | -0.390 | 0.003 | 0.517 |
| OD\_ac | NO2 | -0.385 | 0.181 | -0.741 | -0.029 | 0.034 | 0.517 |
| OD\_af\_l | PM2.5 | -0.621 | 0.562 | -1.729 | 0.487 | 0.271 | 0.664 |
| OD\_af\_l | PM10 | -0.557 | 0.459 | -1.460 | 0.346 | 0.226 | 0.648 |
| OD\_af\_l | NO2 | 0.040 | 0.218 | -0.389 | 0.470 | 0.853 | 0.951 |
| OD\_af\_r | PM2.5 | -0.854 | 0.553 | -1.942 | 0.235 | 0.124 | 0.573 |
| OD\_af\_r | PM10 | -0.692 | 0.451 | -1.580 | 0.196 | 0.126 | 0.576 |
| OD\_af\_r | NO2 | -0.094 | 0.215 | -0.517 | 0.329 | 0.661 | 0.855 |
| OD\_ar\_l | PM2.5 | -0.439 | 0.526 | -1.476 | 0.598 | 0.405 | 0.773 |
| OD\_ar\_l | PM10 | -0.415 | 0.429 | -1.260 | 0.431 | 0.335 | 0.698 |
| OD\_ar\_l | NO2 | 0.198 | 0.204 | -0.203 | 0.599 | 0.331 | 0.696 |
| OD\_ar\_r | PM2.5 | -0.785 | 0.476 | -1.722 | 0.152 | 0.100 | 0.551 |
| OD\_ar\_r | PM10 | -0.742 | 0.387 | -1.505 | 0.021 | 0.057 | 0.518 |
| OD\_ar\_r | NO2 | -0.113 | 0.185 | -0.477 | 0.252 | 0.543 | 0.824 |
| OD\_atr\_l | PM2.5 | -0.939 | 0.552 | -2.026 | 0.148 | 0.090 | 0.546 |
| OD\_atr\_l | PM10 | -0.783 | 0.450 | -1.669 | 0.104 | 0.083 | 0.546 |
| OD\_atr\_l | NO2 | -0.234 | 0.214 | -0.656 | 0.189 | 0.277 | 0.664 |
| OD\_atr\_r | PM2.5 | -1.255 | 0.582 | -2.401 | -0.108 | 0.032 | 0.517 |
| OD\_atr\_r | PM10 | -1.096 | 0.474 | -2.030 | -0.162 | 0.022 | 0.517 |
| OD\_atr\_r | NO2 | -0.442 | 0.226 | -0.886 | 0.002 | 0.051 | 0.517 |
| OD\_cbd\_l | PM2.5 | -0.405 | 0.591 | -1.568 | 0.759 | 0.494 | 0.811 |
| OD\_cbd\_l | PM10 | -0.532 | 0.481 | -1.480 | 0.416 | 0.270 | 0.664 |
| OD\_cbd\_l | NO2 | -0.150 | 0.229 | -0.601 | 0.300 | 0.511 | 0.811 |
| OD\_cbd\_r | PM2.5 | -1.177 | 0.594 | -2.348 | -0.006 | 0.049 | 0.517 |
| OD\_cbd\_r | PM10 | -1.054 | 0.484 | -2.008 | -0.101 | 0.030 | 0.517 |
| OD\_cbd\_r | NO2 | -0.368 | 0.231 | -0.822 | 0.087 | 0.112 | 0.551 |
| OD\_cbp\_l | PM2.5 | -0.075 | 0.839 | -1.729 | 1.579 | 0.929 | 0.975 |
| OD\_cbp\_l | PM10 | -0.481 | 0.684 | -1.828 | 0.867 | 0.483 | 0.811 |
| OD\_cbp\_l | NO2 | -0.245 | 0.324 | -0.884 | 0.395 | 0.452 | 0.802 |
| OD\_cbp\_r | PM2.5 | -0.506 | 1.030 | -2.535 | 1.522 | 0.623 | 0.845 |
| OD\_cbp\_r | PM10 | -0.956 | 0.838 | -2.607 | 0.696 | 0.255 | 0.664 |
| OD\_cbp\_r | NO2 | -0.345 | 0.398 | -1.129 | 0.439 | 0.386 | 0.765 |
| OD\_cbt\_l | PM2.5 | 0.274 | 0.533 | -0.776 | 1.323 | 0.608 | 0.842 |
| OD\_cbt\_l | PM10 | -0.211 | 0.435 | -1.067 | 0.645 | 0.628 | 0.845 |
| OD\_cbt\_l | NO2 | -0.130 | 0.206 | -0.535 | 0.276 | 0.530 | 0.814 |
| OD\_cbt\_r | PM2.5 | -0.154 | 0.582 | -1.300 | 0.992 | 0.791 | 0.925 |
| OD\_cbt\_r | PM10 | -0.436 | 0.474 | -1.370 | 0.497 | 0.358 | 0.727 |
| OD\_cbt\_r | NO2 | -0.189 | 0.225 | -0.632 | 0.253 | 0.400 | 0.772 |
| OD\_cst\_l | PM2.5 | -0.603 | 0.490 | -1.568 | 0.362 | 0.220 | 0.648 |
| OD\_cst\_l | PM10 | -0.426 | 0.400 | -1.214 | 0.362 | 0.288 | 0.664 |
| OD\_cst\_l | NO2 | 0.051 | 0.190 | -0.323 | 0.426 | 0.788 | 0.925 |
| OD\_cst\_r | PM2.5 | -0.547 | 0.481 | -1.495 | 0.400 | 0.256 | 0.664 |
| OD\_cst\_r | PM10 | -0.413 | 0.393 | -1.186 | 0.361 | 0.294 | 0.664 |
| OD\_cst\_r | NO2 | -0.014 | 0.187 | -0.382 | 0.353 | 0.939 | 0.978 |
| OD\_fa\_l | PM2.5 | -1.417 | 0.695 | -2.785 | -0.049 | 0.042 | 0.517 |
| OD\_fa\_l | PM10 | -1.308 | 0.565 | -2.421 | -0.194 | 0.022 | 0.517 |
| OD\_fa\_l | NO2 | -0.351 | 0.270 | -0.883 | 0.182 | 0.196 | 0.646 |
| OD\_fa\_r | PM2.5 | -1.183 | 0.654 | -2.471 | 0.106 | 0.072 | 0.546 |
| OD\_fa\_r | PM10 | -1.010 | 0.533 | -2.060 | 0.041 | 0.059 | 0.518 |
| OD\_fa\_r | NO2 | -0.153 | 0.255 | -0.654 | 0.349 | 0.550 | 0.827 |
| OD\_fma | PM2.5 | -0.281 | 0.757 | -1.772 | 1.210 | 0.711 | 0.887 |
| OD\_fma | PM10 | -0.163 | 0.617 | -1.379 | 1.053 | 0.792 | 0.925 |
| OD\_fma | NO2 | 0.296 | 0.292 | -0.279 | 0.872 | 0.311 | 0.679 |
| OD\_fmi | PM2.5 | -1.374 | 0.699 | -2.750 | 0.002 | 0.050 | 0.517 |
| OD\_fmi | PM10 | -1.154 | 0.570 | -2.276 | -0.032 | 0.044 | 0.517 |
| OD\_fmi | NO2 | -0.396 | 0.271 | -0.930 | 0.138 | 0.146 | 0.593 |
| OD\_fx\_l | PM2.5 | -0.754 | 0.497 | -1.733 | 0.225 | 0.130 | 0.579 |
| OD\_fx\_l | PM10 | -0.768 | 0.404 | -1.565 | 0.028 | 0.059 | 0.518 |
| OD\_fx\_l | NO2 | -0.233 | 0.193 | -0.612 | 0.146 | 0.227 | 0.648 |
| OD\_fx\_r | PM2.5 | -0.939 | 0.503 | -1.929 | 0.052 | 0.063 | 0.537 |
| OD\_fx\_r | PM10 | -0.835 | 0.410 | -1.643 | -0.028 | 0.043 | 0.517 |
| OD\_fx\_r | NO2 | -0.388 | 0.194 | -0.770 | -0.005 | 0.047 | 0.517 |
| OD\_ifo\_l | PM2.5 | -0.465 | 0.485 | -1.422 | 0.491 | 0.339 | 0.704 |
| OD\_ifo\_l | PM10 | -0.422 | 0.396 | -1.202 | 0.358 | 0.287 | 0.664 |
| OD\_ifo\_l | NO2 | -0.027 | 0.188 | -0.397 | 0.344 | 0.887 | 0.955 |
| OD\_ifo\_r | PM2.5 | -0.979 | 0.516 | -1.996 | 0.038 | 0.059 | 0.518 |
| OD\_ifo\_r | PM10 | -0.700 | 0.422 | -1.531 | 0.131 | 0.098 | 0.551 |
| OD\_ifo\_r | NO2 | -0.089 | 0.201 | -0.485 | 0.307 | 0.659 | 0.855 |
| OD\_ilf\_l | PM2.5 | -0.833 | 0.715 | -2.241 | 0.575 | 0.245 | 0.654 |
| OD\_ilf\_l | PM10 | -0.996 | 0.581 | -2.141 | 0.149 | 0.088 | 0.546 |
| OD\_ilf\_l | NO2 | -0.184 | 0.277 | -0.730 | 0.361 | 0.506 | 0.811 |
| OD\_ilf\_r | PM2.5 | -1.088 | 0.664 | -2.397 | 0.221 | 0.103 | 0.551 |
| OD\_ilf\_r | PM10 | -1.083 | 0.541 | -2.148 | -0.018 | 0.046 | 0.517 |
| OD\_ilf\_r | NO2 | -0.182 | 0.258 | -0.691 | 0.327 | 0.481 | 0.811 |
| OD\_mcp | PM2.5 | 0.958 | 0.593 | -0.210 | 2.125 | 0.108 | 0.551 |
| OD\_mcp | PM10 | 0.318 | 0.486 | -0.639 | 1.275 | 0.513 | 0.811 |
| OD\_mcp | NO2 | 0.081 | 0.231 | -0.373 | 0.535 | 0.725 | 0.894 |
| OD\_mdlf\_l | PM2.5 | -0.167 | 0.544 | -1.240 | 0.905 | 0.759 | 0.904 |
| OD\_mdlf\_l | PM10 | -0.148 | 0.444 | -1.023 | 0.727 | 0.739 | 0.899 |
| OD\_mdlf\_l | NO2 | 0.214 | 0.210 | -0.200 | 0.628 | 0.310 | 0.679 |
| OD\_mdlf\_r | PM2.5 | -0.888 | 0.523 | -1.919 | 0.143 | 0.091 | 0.546 |
| OD\_mdlf\_r | PM10 | -0.529 | 0.428 | -1.373 | 0.315 | 0.218 | 0.648 |
| OD\_mdlf\_r | NO2 | 0.084 | 0.204 | -0.317 | 0.485 | 0.681 | 0.863 |
| OD\_or\_l | PM2.5 | 0.126 | 0.523 | -0.905 | 1.156 | 0.810 | 0.932 |
| OD\_or\_l | PM10 | 0.107 | 0.427 | -0.733 | 0.948 | 0.801 | 0.928 |
| OD\_or\_l | NO2 | 0.219 | 0.202 | -0.179 | 0.617 | 0.279 | 0.664 |
| OD\_or\_r | PM2.5 | -0.543 | 0.495 | -1.517 | 0.431 | 0.273 | 0.664 |
| OD\_or\_r | PM10 | -0.213 | 0.404 | -1.009 | 0.584 | 0.599 | 0.841 |
| OD\_or\_r | NO2 | 0.196 | 0.191 | -0.182 | 0.573 | 0.308 | 0.679 |
| OD\_slf1\_l | PM2.5 | -0.717 | 0.604 | -1.907 | 0.472 | 0.236 | 0.650 |
| OD\_slf1\_l | PM10 | -0.632 | 0.492 | -1.602 | 0.338 | 0.200 | 0.647 |
| OD\_slf1\_l | NO2 | 0.003 | 0.234 | -0.459 | 0.464 | 0.991 | 0.993 |
| OD\_slf1\_r | PM2.5 | -0.916 | 0.581 | -2.059 | 0.228 | 0.116 | 0.553 |
| OD\_slf1\_r | PM10 | -0.692 | 0.474 | -1.625 | 0.242 | 0.146 | 0.593 |
| OD\_slf1\_r | NO2 | -0.080 | 0.226 | -0.525 | 0.365 | 0.724 | 0.894 |
| OD\_slf2\_l | PM2.5 | -0.829 | 0.603 | -2.017 | 0.359 | 0.170 | 0.608 |
| OD\_slf2\_l | PM10 | -0.479 | 0.493 | -1.450 | 0.492 | 0.332 | 0.697 |
| OD\_slf2\_l | NO2 | 0.122 | 0.234 | -0.339 | 0.583 | 0.602 | 0.841 |
| OD\_slf2\_r | PM2.5 | -0.765 | 0.558 | -1.864 | 0.334 | 0.171 | 0.608 |
| OD\_slf2\_r | PM10 | -0.583 | 0.455 | -1.479 | 0.315 | 0.202 | 0.647 |
| OD\_slf2\_r | NO2 | -0.042 | 0.217 | -0.468 | 0.385 | 0.848 | 0.950 |
| OD\_slf3\_l | PM2.5 | -0.765 | 0.649 | -2.043 | 0.513 | 0.239 | 0.650 |
| OD\_slf3\_l | PM10 | -0.666 | 0.529 | -1.708 | 0.377 | 0.209 | 0.647 |
| OD\_slf3\_l | NO2 | -0.081 | 0.252 | -0.576 | 0.415 | 0.749 | 0.899 |
| OD\_slf3\_r | PM2.5 | -1.075 | 0.640 | -2.336 | 0.186 | 0.094 | 0.546 |
| OD\_slf3\_r | PM10 | -0.877 | 0.522 | -1.905 | 0.152 | 0.095 | 0.546 |
| OD\_slf3\_r | NO2 | -0.190 | 0.249 | -0.681 | 0.300 | 0.445 | 0.802 |
| OD\_str\_l | PM2.5 | -0.883 | 0.446 | -1.761 | -0.005 | 0.049 | 0.517 |
| OD\_str\_l | PM10 | -0.761 | 0.363 | -1.476 | -0.045 | 0.037 | 0.517 |
| OD\_str\_l | NO2 | -0.149 | 0.174 | -0.491 | 0.193 | 0.392 | 0.765 |
| OD\_str\_r | PM2.5 | -0.829 | 0.438 | -1.692 | 0.033 | 0.059 | 0.518 |
| OD\_str\_r | PM10 | -0.787 | 0.356 | -1.489 | -0.085 | 0.028 | 0.517 |
| OD\_str\_r | NO2 | -0.193 | 0.170 | -0.528 | 0.143 | 0.259 | 0.664 |
| OD\_uf\_l | PM2.5 | -1.081 | 0.541 | -2.148 | -0.015 | 0.047 | 0.517 |
| OD\_uf\_l | PM10 | -1.051 | 0.440 | -1.919 | -0.184 | 0.018 | 0.517 |
| OD\_uf\_l | NO2 | -0.275 | 0.210 | -0.690 | 0.139 | 0.192 | 0.646 |
| OD\_uf\_r | PM2.5 | -1.263 | 0.596 | -2.437 | -0.089 | 0.035 | 0.517 |
| OD\_uf\_r | PM10 | -1.160 | 0.485 | -2.116 | -0.205 | 0.018 | 0.517 |
| OD\_uf\_r | NO2 | -0.401 | 0.231 | -0.857 | 0.054 | 0.084 | 0.546 |
| OD\_vof\_l | PM2.5 | 0.324 | 0.794 | -1.239 | 1.888 | 0.683 | 0.864 |
| OD\_vof\_l | PM10 | -0.307 | 0.647 | -1.583 | 0.968 | 0.636 | 0.847 |
| OD\_vof\_l | NO2 | 0.300 | 0.307 | -0.304 | 0.904 | 0.329 | 0.696 |
| OD\_vof\_r | PM2.5 | 0.130 | 0.794 | -1.434 | 1.694 | 0.870 | 0.953 |
| OD\_vof\_r | PM10 | 0.206 | 0.648 | -1.070 | 1.481 | 0.751 | 0.899 |
| OD\_vof\_r | NO2 | 0.485 | 0.306 | -0.117 | 1.087 | 0.114 | 0.551 |

**Table G2: Single linear regression results between pollution exposure over the second trimester and dMRI measures in all tracts, adjusted for sex, IMD, PMA at scan, and GA at birth; beta = effect size; CI = Confidence interval; q-value = p-value after FDR correction. WM microstructure metrics are coded as follows: First the type of metric, followed by the tract, and l = left, or r = right hemisphere, respectively. FA = fractional anisotropy; MD = mean diffusivity; fintra = neurite density index (NDI); OD = orientation dispersion index (ODI). Tract abbreviations: ac = anterior commissure; af = arguate fasciculus; ar = anterior radiations; atr = anterior thalamic radiations; cbd = dorsal cingulum; cbp = peri-genual cingulum tract; cbt = temporal cingulum; cst = corticospinal tract; fa = ; fma = forceps major; fmi = forceps minor; fx = fornix; ifo = inferior fronto-occipital fasciculus; ilf = inferior longitudinal fasciculus; mcp = middle cerebellar peduncle; mdlf = middle longitudinal fasciculus; or = optic radiation; slf(1,2,3) = superior longitudinal fasciculi; str = superior thalamic radiation; uf = uncinate fasciculus; vof = vertical occipital fasciculus.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **WM microstructure metric** | **Pollutant** | ***beta***  **(in 10-3)** | **Std. error (in 10-3)** | **Lower CI**  **(in 10-3)** | **Upper CI**  **(in 10-3)** | **p-value** | **q-value** |
| FA\_ac | PM2.5 | -0.521 | 0.387 | -1.284 | 0.242 | 0.180 | 0.998 |
| FA\_ac | PM10 | -0.236 | 0.333 | -0.891 | 0.419 | 0.479 | 0.998 |
| FA\_ac | NO2 | -0.027 | 0.138 | -0.299 | 0.246 | 0.848 | 0.998 |
| FA\_af\_l | PM2.5 | -0.047 | 0.429 | -0.891 | 0.798 | 0.913 | 0.998 |
| FA\_af\_l | PM10 | 0.110 | 0.367 | -0.613 | 0.833 | 0.765 | 0.998 |
| FA\_af\_l | NO2 | 0.041 | 0.153 | -0.260 | 0.341 | 0.790 | 0.998 |
| FA\_af\_r | PM2.5 | -0.415 | 0.428 | -1.257 | 0.428 | 0.334 | 0.998 |
| FA\_af\_r | PM10 | -0.096 | 0.367 | -0.819 | 0.627 | 0.793 | 0.998 |
| FA\_af\_r | NO2 | -0.071 | 0.153 | -0.372 | 0.229 | 0.642 | 0.998 |
| FA\_ar\_l | PM2.5 | -0.222 | 0.403 | -1.016 | 0.573 | 0.583 | 0.998 |
| FA\_ar\_l | PM10 | -0.230 | 0.345 | -0.910 | 0.450 | 0.506 | 0.998 |
| FA\_ar\_l | NO2 | -0.078 | 0.144 | -0.361 | 0.204 | 0.586 | 0.998 |
| FA\_ar\_r | PM2.5 | -0.266 | 0.411 | -1.074 | 0.543 | 0.518 | 0.998 |
| FA\_ar\_r | PM10 | 0.098 | 0.352 | -0.595 | 0.791 | 0.782 | 0.998 |
| FA\_ar\_r | NO2 | 0.028 | 0.146 | -0.260 | 0.316 | 0.849 | 0.998 |
| FA\_atr\_l | PM2.5 | -0.355 | 0.482 | -1.305 | 0.594 | 0.462 | 0.998 |
| FA\_atr\_l | PM10 | -0.465 | 0.412 | -1.276 | 0.347 | 0.261 | 0.998 |
| FA\_atr\_l | NO2 | -0.130 | 0.172 | -0.468 | 0.208 | 0.450 | 0.998 |
| FA\_atr\_r | PM2.5 | -0.675 | 0.474 | -1.609 | 0.259 | 0.156 | 0.998 |
| FA\_atr\_r | PM10 | -0.504 | 0.406 | -1.305 | 0.296 | 0.216 | 0.998 |
| FA\_atr\_r | NO2 | -0.107 | 0.169 | -0.441 | 0.226 | 0.528 | 0.998 |
| FA\_cbd\_l | PM2.5 | -0.488 | 0.471 | -1.415 | 0.439 | 0.300 | 0.998 |
| FA\_cbd\_l | PM10 | -0.261 | 0.403 | -1.055 | 0.534 | 0.519 | 0.998 |
| FA\_cbd\_l | NO2 | -0.040 | 0.168 | -0.371 | 0.290 | 0.811 | 0.998 |
| FA\_cbd\_r | PM2.5 | -0.898 | 0.483 | -1.849 | 0.053 | 0.064 | 0.998 |
| FA\_cbd\_r | PM10 | -0.258 | 0.416 | -1.077 | 0.562 | 0.536 | 0.998 |
| FA\_cbd\_r | NO2 | -0.033 | 0.173 | -0.373 | 0.308 | 0.851 | 0.998 |
| FA\_cbp\_l | PM2.5 | 1.342 | 0.696 | -0.028 | 2.713 | 0.055 | 0.998 |
| FA\_cbp\_l | PM10 | 1.479 | 0.593 | 0.311 | 2.646 | 0.013 | 0.998 |
| FA\_cbp\_l | NO2 | 0.571 | 0.247 | 0.085 | 1.057 | 0.022 | 0.998 |
| FA\_cbp\_r | PM2.5 | 0.193 | 0.706 | -1.198 | 1.584 | 0.785 | 0.998 |
| FA\_cbp\_r | PM10 | 0.880 | 0.602 | -0.306 | 2.065 | 0.145 | 0.998 |
| FA\_cbp\_r | NO2 | 0.247 | 0.251 | -0.247 | 0.741 | 0.325 | 0.998 |
| FA\_cbt\_l | PM2.5 | 0.018 | 0.301 | -0.575 | 0.611 | 0.952 | 0.998 |
| FA\_cbt\_l | PM10 | -0.089 | 0.258 | -0.597 | 0.419 | 0.730 | 0.998 |
| FA\_cbt\_l | NO2 | -0.042 | 0.107 | -0.253 | 0.169 | 0.695 | 0.998 |
| FA\_cbt\_r | PM2.5 | -0.108 | 0.350 | -0.796 | 0.581 | 0.759 | 0.998 |
| FA\_cbt\_r | PM10 | 0.105 | 0.299 | -0.484 | 0.695 | 0.725 | 0.998 |
| FA\_cbt\_r | NO2 | -0.065 | 0.124 | -0.310 | 0.180 | 0.603 | 0.998 |
| FA\_cst\_l | PM2.5 | 0.096 | 0.604 | -1.093 | 1.286 | 0.873 | 0.998 |
| FA\_cst\_l | PM10 | 0.082 | 0.517 | -0.937 | 1.100 | 0.875 | 0.998 |
| FA\_cst\_l | NO2 | -0.009 | 0.215 | -0.432 | 0.415 | 0.968 | 0.998 |
| FA\_cst\_r | PM2.5 | -0.255 | 0.584 | -1.404 | 0.894 | 0.662 | 0.998 |
| FA\_cst\_r | PM10 | -0.031 | 0.500 | -1.015 | 0.954 | 0.951 | 0.998 |
| FA\_cst\_r | NO2 | -0.013 | 0.208 | -0.423 | 0.396 | 0.949 | 0.998 |
| FA\_fa\_l | PM2.5 | 0.045 | 0.416 | -0.774 | 0.864 | 0.914 | 0.998 |
| FA\_fa\_l | PM10 | 0.406 | 0.355 | -0.293 | 1.106 | 0.254 | 0.998 |
| FA\_fa\_l | NO2 | 0.233 | 0.147 | -0.057 | 0.523 | 0.115 | 0.998 |
| FA\_fa\_r | PM2.5 | -0.207 | 0.387 | -0.970 | 0.556 | 0.593 | 0.998 |
| FA\_fa\_r | PM10 | 0.183 | 0.332 | -0.471 | 0.836 | 0.582 | 0.998 |
| FA\_fa\_r | NO2 | 0.177 | 0.138 | -0.093 | 0.448 | 0.198 | 0.998 |
| FA\_fma | PM2.5 | -0.158 | 0.476 | -1.095 | 0.778 | 0.739 | 0.998 |
| FA\_fma | PM10 | 0.280 | 0.407 | -0.521 | 1.082 | 0.491 | 0.998 |
| FA\_fma | NO2 | 0.234 | 0.169 | -0.099 | 0.566 | 0.167 | 0.998 |
| FA\_fmi | PM2.5 | -1.096 | 0.638 | -2.352 | 0.161 | 0.087 | 0.998 |
| FA\_fmi | PM10 | -0.784 | 0.547 | -1.861 | 0.294 | 0.153 | 0.998 |
| FA\_fmi | NO2 | -0.211 | 0.228 | -0.661 | 0.238 | 0.355 | 0.998 |
| FA\_fx\_l | PM2.5 | 0.168 | 0.365 | -0.550 | 0.886 | 0.646 | 0.998 |
| FA\_fx\_l | PM10 | -0.008 | 0.312 | -0.623 | 0.607 | 0.979 | 0.998 |
| FA\_fx\_l | NO2 | -0.015 | 0.130 | -0.271 | 0.240 | 0.907 | 0.998 |
| FA\_fx\_r | PM2.5 | -0.095 | 0.383 | -0.850 | 0.659 | 0.804 | 0.998 |
| FA\_fx\_r | PM10 | 0.211 | 0.328 | -0.435 | 0.857 | 0.520 | 0.998 |
| FA\_fx\_r | NO2 | 0.047 | 0.136 | -0.222 | 0.315 | 0.733 | 0.998 |
| FA\_ifo\_l | PM2.5 | -0.561 | 0.524 | -1.592 | 0.471 | 0.285 | 0.998 |
| FA\_ifo\_l | PM10 | -0.310 | 0.449 | -1.194 | 0.575 | 0.491 | 0.998 |
| FA\_ifo\_l | NO2 | -0.064 | 0.187 | -0.432 | 0.304 | 0.733 | 0.998 |
| FA\_ifo\_r | PM2.5 | -0.793 | 0.507 | -1.791 | 0.205 | 0.119 | 0.998 |
| FA\_ifo\_r | PM10 | -0.366 | 0.435 | -1.224 | 0.492 | 0.401 | 0.998 |
| FA\_ifo\_r | NO2 | -0.082 | 0.181 | -0.439 | 0.275 | 0.652 | 0.998 |
| FA\_ilf\_l | PM2.5 | -0.225 | 0.408 | -1.029 | 0.579 | 0.582 | 0.998 |
| FA\_ilf\_l | PM10 | -0.030 | 0.350 | -0.719 | 0.658 | 0.931 | 0.998 |
| FA\_ilf\_l | NO2 | -0.034 | 0.145 | -0.320 | 0.252 | 0.816 | 0.998 |
| FA\_ilf\_r | PM2.5 | -0.567 | 0.433 | -1.419 | 0.285 | 0.191 | 0.998 |
| FA\_ilf\_r | PM10 | -0.099 | 0.372 | -0.830 | 0.634 | 0.791 | 0.998 |
| FA\_ilf\_r | NO2 | -0.002 | 0.155 | -0.307 | 0.302 | 0.988 | 0.998 |
| FA\_mcp | PM2.5 | 0.566 | 0.391 | -0.205 | 1.337 | 0.149 | 0.998 |
| FA\_mcp | PM10 | 0.157 | 0.336 | -0.506 | 0.820 | 0.641 | 0.998 |
| FA\_mcp | NO2 | 0.195 | 0.139 | -0.079 | 0.470 | 0.163 | 0.998 |
| FA\_mdlf\_l | PM2.5 | -0.286 | 0.528 | -1.325 | 0.753 | 0.588 | 0.998 |
| FA\_mdlf\_l | PM10 | -0.132 | 0.452 | -1.022 | 0.759 | 0.771 | 0.998 |
| FA\_mdlf\_l | NO2 | -0.069 | 0.188 | -0.439 | 0.301 | 0.713 | 0.998 |
| FA\_mdlf\_r | PM2.5 | -0.537 | 0.506 | -1.532 | 0.459 | 0.290 | 0.998 |
| FA\_mdlf\_r | PM10 | -0.164 | 0.434 | -1.018 | 0.690 | 0.706 | 0.998 |
| FA\_mdlf\_r | NO2 | -0.080 | 0.180 | -0.435 | 0.275 | 0.658 | 0.998 |
| FA\_or\_l | PM2.5 | -0.189 | 0.573 | -1.317 | 0.939 | 0.742 | 0.998 |
| FA\_or\_l | PM10 | 0.107 | 0.490 | -0.859 | 1.073 | 0.827 | 0.998 |
| FA\_or\_l | NO2 | 0.082 | 0.204 | -0.319 | 0.484 | 0.687 | 0.998 |
| FA\_or\_r | PM2.5 | -0.527 | 0.582 | -1.673 | 0.619 | 0.366 | 0.998 |
| FA\_or\_r | PM10 | -0.139 | 0.499 | -1.122 | 0.844 | 0.781 | 0.998 |
| FA\_or\_r | NO2 | -0.027 | 0.207 | -0.435 | 0.382 | 0.898 | 0.998 |
| FA\_slf1\_l | PM2.5 | 0.022 | 0.472 | -0.908 | 0.952 | 0.962 | 0.998 |
| FA\_slf1\_l | PM10 | 0.303 | 0.404 | -0.492 | 1.099 | 0.453 | 0.998 |
| FA\_slf1\_l | NO2 | 0.196 | 0.168 | -0.134 | 0.526 | 0.244 | 0.998 |
| FA\_slf1\_r | PM2.5 | -0.137 | 0.479 | -1.080 | 0.806 | 0.775 | 0.998 |
| FA\_slf1\_r | PM10 | 0.228 | 0.410 | -0.579 | 1.035 | 0.578 | 0.998 |
| FA\_slf1\_r | NO2 | 0.150 | 0.170 | -0.186 | 0.485 | 0.380 | 0.998 |
| FA\_slf2\_l | PM2.5 | -0.010 | 0.488 | -0.970 | 0.951 | 0.984 | 0.998 |
| FA\_slf2\_l | PM10 | 0.110 | 0.417 | -0.712 | 0.933 | 0.792 | 0.998 |
| FA\_slf2\_l | NO2 | 0.045 | 0.174 | -0.297 | 0.386 | 0.798 | 0.998 |
| FA\_slf2\_r | PM2.5 | -0.036 | 0.444 | -0.911 | 0.839 | 0.936 | 0.998 |
| FA\_slf2\_r | PM10 | 0.278 | 0.380 | -0.471 | 1.026 | 0.465 | 0.998 |
| FA\_slf2\_r | NO2 | 0.078 | 0.158 | -0.234 | 0.389 | 0.624 | 0.998 |
| FA\_slf3\_l | PM2.5 | 0.039 | 0.418 | -0.785 | 0.863 | 0.926 | 0.998 |
| FA\_slf3\_l | PM10 | 0.247 | 0.358 | -0.458 | 0.952 | 0.491 | 0.998 |
| FA\_slf3\_l | NO2 | 0.169 | 0.149 | -0.124 | 0.461 | 0.258 | 0.998 |
| FA\_slf3\_r | PM2.5 | -0.149 | 0.391 | -0.918 | 0.620 | 0.703 | 0.998 |
| FA\_slf3\_r | PM10 | 0.129 | 0.334 | -0.530 | 0.787 | 0.701 | 0.998 |
| FA\_slf3\_r | NO2 | 0.047 | 0.139 | -0.227 | 0.321 | 0.736 | 0.998 |
| FA\_str\_l | PM2.5 | -0.108 | 0.439 | -0.973 | 0.756 | 0.805 | 0.998 |
| FA\_str\_l | PM10 | 0.051 | 0.376 | -0.690 | 0.791 | 0.893 | 0.998 |
| FA\_str\_l | NO2 | 0.028 | 0.156 | -0.279 | 0.336 | 0.856 | 0.998 |
| FA\_str\_r | PM2.5 | -0.206 | 0.403 | -1.000 | 0.588 | 0.610 | 0.998 |
| FA\_str\_r | PM10 | 0.021 | 0.345 | -0.658 | 0.701 | 0.951 | 0.998 |
| FA\_str\_r | NO2 | 0.098 | 0.143 | -0.185 | 0.380 | 0.496 | 0.998 |
| FA\_uf\_l | PM2.5 | -0.840 | 0.468 | -1.762 | 0.082 | 0.074 | 0.998 |
| FA\_uf\_l | PM10 | -0.564 | 0.402 | -1.355 | 0.228 | 0.162 | 0.998 |
| FA\_uf\_l | NO2 | -0.155 | 0.167 | -0.485 | 0.174 | 0.354 | 0.998 |
| FA\_uf\_r | PM2.5 | -0.906 | 0.426 | -1.745 | -0.067 | 0.034 | 0.998 |
| FA\_uf\_r | PM10 | -0.537 | 0.366 | -1.259 | 0.185 | 0.144 | 0.998 |
| FA\_uf\_r | NO2 | -0.128 | 0.153 | -0.429 | 0.173 | 0.403 | 0.998 |
| FA\_vof\_l | PM2.5 | 0.374 | 0.283 | -0.183 | 0.932 | 0.187 | 0.998 |
| FA\_vof\_l | PM10 | 0.350 | 0.242 | -0.127 | 0.827 | 0.149 | 0.998 |
| FA\_vof\_l | NO2 | 0.181 | 0.100 | -0.017 | 0.379 | 0.073 | 0.998 |
| FA\_vof\_r | PM2.5 | 0.166 | 0.291 | -0.406 | 0.739 | 0.568 | 0.998 |
| FA\_vof\_r | PM10 | 0.216 | 0.249 | -0.274 | 0.706 | 0.386 | 0.998 |
| FA\_vof\_r | NO2 | 0.095 | 0.103 | -0.109 | 0.299 | 0.359 | 0.998 |
| fintra\_ac | PM2.5 | -0.928 | 0.470 | -1.853 | -0.003 | 0.049 | 0.998 |
| fintra\_ac | PM10 | -0.285 | 0.405 | -1.083 | 0.513 | 0.483 | 0.998 |
| fintra\_ac | NO2 | -0.065 | 0.169 | -0.397 | 0.267 | 0.701 | 0.998 |
| fintra\_af\_l | PM2.5 | -0.669 | 0.604 | -1.859 | 0.521 | 0.269 | 0.998 |
| fintra\_af\_l | PM10 | -0.004 | 0.519 | -1.026 | 1.017 | 0.993 | 0.998 |
| fintra\_af\_l | NO2 | 0.049 | 0.216 | -0.376 | 0.473 | 0.822 | 0.998 |
| fintra\_af\_r | PM2.5 | -0.798 | 0.575 | -1.930 | 0.334 | 0.166 | 0.998 |
| fintra\_af\_r | PM10 | 0.044 | 0.494 | -0.929 | 1.017 | 0.930 | 0.998 |
| fintra\_af\_r | NO2 | 0.126 | 0.205 | -0.278 | 0.530 | 0.540 | 0.998 |
| fintra\_ar\_l | PM2.5 | -0.474 | 0.446 | -1.353 | 0.405 | 0.289 | 0.998 |
| fintra\_ar\_l | PM10 | 0.007 | 0.383 | -0.747 | 0.762 | 0.985 | 0.998 |
| fintra\_ar\_l | NO2 | 0.053 | 0.159 | -0.260 | 0.367 | 0.738 | 0.998 |
| fintra\_ar\_r | PM2.5 | -0.567 | 0.431 | -1.417 | 0.283 | 0.190 | 0.998 |
| fintra\_ar\_r | PM10 | 0.075 | 0.371 | -0.655 | 0.805 | 0.840 | 0.998 |
| fintra\_ar\_r | NO2 | 0.124 | 0.154 | -0.179 | 0.427 | 0.420 | 0.998 |
| fintra\_atr\_l | PM2.5 | -0.909 | 0.560 | -2.012 | 0.194 | 0.106 | 0.998 |
| fintra\_atr\_l | PM10 | -0.495 | 0.481 | -1.442 | 0.453 | 0.305 | 0.998 |
| fintra\_atr\_l | NO2 | -0.113 | 0.200 | -0.507 | 0.282 | 0.574 | 0.998 |
| fintra\_atr\_r | PM2.5 | -1.164 | 0.568 | -2.284 | -0.044 | 0.042 | 0.998 |
| fintra\_atr\_r | PM10 | -0.577 | 0.490 | -1.542 | 0.387 | 0.239 | 0.998 |
| fintra\_atr\_r | NO2 | -0.098 | 0.204 | -0.500 | 0.304 | 0.632 | 0.998 |
| fintra\_cbd\_l | PM2.5 | -1.231 | 0.541 | -2.297 | -0.165 | 0.024 | 0.998 |
| fintra\_cbd\_l | PM10 | -0.551 | 0.467 | -1.471 | 0.369 | 0.239 | 0.998 |
| fintra\_cbd\_l | NO2 | -0.056 | 0.195 | -0.439 | 0.328 | 0.775 | 0.998 |
| fintra\_cbd\_r | PM2.5 | -0.850 | 0.572 | -1.977 | 0.278 | 0.139 | 0.998 |
| fintra\_cbd\_r | PM10 | -0.189 | 0.492 | -1.158 | 0.781 | 0.701 | 0.998 |
| fintra\_cbd\_r | NO2 | 0.053 | 0.205 | -0.350 | 0.456 | 0.795 | 0.998 |
| fintra\_cbp\_l | PM2.5 | -0.751 | 0.621 | -1.975 | 0.473 | 0.228 | 0.998 |
| fintra\_cbp\_l | PM10 | 0.129 | 0.534 | -0.922 | 1.180 | 0.810 | 0.998 |
| fintra\_cbp\_l | NO2 | 0.116 | 0.222 | -0.321 | 0.553 | 0.601 | 0.998 |
| fintra\_cbp\_r | PM2.5 | -0.417 | 0.628 | -1.655 | 0.821 | 0.508 | 0.998 |
| fintra\_cbp\_r | PM10 | 0.169 | 0.538 | -0.892 | 1.230 | 0.754 | 0.998 |
| fintra\_cbp\_r | NO2 | 0.105 | 0.224 | -0.336 | 0.546 | 0.639 | 0.998 |
| fintra\_cbt\_l | PM2.5 | -0.708 | 0.357 | -1.412 | -0.004 | 0.049 | 0.998 |
| fintra\_cbt\_l | PM10 | -0.516 | 0.307 | -1.120 | 0.089 | 0.094 | 0.998 |
| fintra\_cbt\_l | NO2 | -0.287 | 0.127 | -0.537 | -0.037 | 0.025 | 0.998 |
| fintra\_cbt\_r | PM2.5 | -0.386 | 0.338 | -1.051 | 0.279 | 0.254 | 0.998 |
| fintra\_cbt\_r | PM10 | 0.009 | 0.290 | -0.562 | 0.580 | 0.976 | 0.998 |
| fintra\_cbt\_r | NO2 | -0.050 | 0.120 | -0.287 | 0.188 | 0.680 | 0.998 |
| fintra\_cst\_l | PM2.5 | -0.379 | 0.527 | -1.417 | 0.658 | 0.472 | 0.998 |
| fintra\_cst\_l | PM10 | 0.144 | 0.452 | -0.745 | 1.034 | 0.749 | 0.998 |
| fintra\_cst\_l | NO2 | 0.167 | 0.187 | -0.203 | 0.536 | 0.375 | 0.998 |
| fintra\_cst\_r | PM2.5 | -0.766 | 0.506 | -1.763 | 0.231 | 0.131 | 0.998 |
| fintra\_cst\_r | PM10 | -0.148 | 0.435 | -1.005 | 0.710 | 0.735 | 0.998 |
| fintra\_cst\_r | NO2 | 0.046 | 0.181 | -0.311 | 0.402 | 0.802 | 0.998 |
| fintra\_fa\_l | PM2.5 | -0.599 | 0.585 | -1.752 | 0.554 | 0.307 | 0.998 |
| fintra\_fa\_l | PM10 | 0.190 | 0.502 | -0.799 | 1.178 | 0.706 | 0.998 |
| fintra\_fa\_l | NO2 | 0.186 | 0.208 | -0.224 | 0.597 | 0.372 | 0.998 |
| fintra\_fa\_r | PM2.5 | -0.660 | 0.561 | -1.766 | 0.445 | 0.241 | 0.998 |
| fintra\_fa\_r | PM10 | 0.156 | 0.482 | -0.793 | 1.106 | 0.746 | 0.998 |
| fintra\_fa\_r | NO2 | 0.219 | 0.200 | -0.175 | 0.612 | 0.275 | 0.998 |
| fintra\_fma | PM2.5 | -0.367 | 0.535 | -1.421 | 0.687 | 0.493 | 0.998 |
| fintra\_fma | PM10 | 0.098 | 0.459 | -0.806 | 1.001 | 0.832 | 0.998 |
| fintra\_fma | NO2 | 0.089 | 0.191 | -0.287 | 0.464 | 0.642 | 0.998 |
| fintra\_fmi | PM2.5 | -0.789 | 0.616 | -2.003 | 0.426 | 0.202 | 0.998 |
| fintra\_fmi | PM10 | -0.329 | 0.529 | -1.371 | 0.713 | 0.535 | 0.998 |
| fintra\_fmi | NO2 | -0.038 | 0.220 | -0.472 | 0.396 | 0.863 | 0.998 |
| fintra\_fx\_l | PM2.5 | -1.328 | 0.554 | -2.420 | -0.236 | 0.017 | 0.998 |
| fintra\_fx\_l | PM10 | -1.055 | 0.475 | -1.992 | -0.119 | 0.027 | 0.998 |
| fintra\_fx\_l | NO2 | -0.589 | 0.196 | -0.975 | -0.203 | 0.003 | 0.998 |
| fintra\_fx\_r | PM2.5 | -0.664 | 0.437 | -1.525 | 0.198 | 0.130 | 0.998 |
| fintra\_fx\_r | PM10 | -0.266 | 0.376 | -1.007 | 0.474 | 0.479 | 0.998 |
| fintra\_fx\_r | NO2 | -0.249 | 0.156 | -0.555 | 0.058 | 0.111 | 0.998 |
| fintra\_ifo\_l | PM2.5 | -0.663 | 0.531 | -1.709 | 0.383 | 0.213 | 0.998 |
| fintra\_ifo\_l | PM10 | -0.386 | 0.455 | -1.283 | 0.511 | 0.397 | 0.998 |
| fintra\_ifo\_l | NO2 | -0.116 | 0.189 | -0.489 | 0.258 | 0.543 | 0.998 |
| fintra\_ifo\_r | PM2.5 | -0.558 | 0.522 | -1.586 | 0.470 | 0.286 | 0.998 |
| fintra\_ifo\_r | PM10 | -0.085 | 0.448 | -0.968 | 0.797 | 0.849 | 0.998 |
| fintra\_ifo\_r | NO2 | 0.004 | 0.186 | -0.362 | 0.371 | 0.981 | 0.998 |
| fintra\_ilf\_l | PM2.5 | -0.870 | 0.481 | -1.817 | 0.078 | 0.072 | 0.998 |
| fintra\_ilf\_l | PM10 | -0.531 | 0.413 | -1.344 | 0.283 | 0.200 | 0.998 |
| fintra\_ilf\_l | NO2 | -0.223 | 0.172 | -0.561 | 0.115 | 0.196 | 0.998 |
| fintra\_ilf\_r | PM2.5 | -0.638 | 0.460 | -1.545 | 0.269 | 0.167 | 0.998 |
| fintra\_ilf\_r | PM10 | 0.038 | 0.396 | -0.741 | 0.818 | 0.923 | 0.998 |
| fintra\_ilf\_r | NO2 | 0.018 | 0.164 | -0.306 | 0.342 | 0.913 | 0.998 |
| fintra\_mcp | PM2.5 | -0.713 | 0.564 | -1.824 | 0.397 | 0.207 | 0.998 |
| fintra\_mcp | PM10 | -0.574 | 0.483 | -1.525 | 0.377 | 0.236 | 0.998 |
| fintra\_mcp | NO2 | -0.251 | 0.201 | -0.647 | 0.144 | 0.211 | 0.998 |
| fintra\_mdlf\_l | PM2.5 | -0.683 | 0.557 | -1.780 | 0.414 | 0.221 | 0.998 |
| fintra\_mdlf\_l | PM10 | -0.219 | 0.478 | -1.161 | 0.723 | 0.647 | 0.998 |
| fintra\_mdlf\_l | NO2 | -0.079 | 0.199 | -0.470 | 0.313 | 0.692 | 0.998 |
| fintra\_mdlf\_r | PM2.5 | -0.436 | 0.513 | -1.446 | 0.573 | 0.395 | 0.998 |
| fintra\_mdlf\_r | PM10 | 0.101 | 0.439 | -0.765 | 0.967 | 0.819 | 0.998 |
| fintra\_mdlf\_r | NO2 | 0.063 | 0.183 | -0.297 | 0.423 | 0.730 | 0.998 |
| fintra\_or\_l | PM2.5 | -0.857 | 0.618 | -2.074 | 0.360 | 0.167 | 0.998 |
| fintra\_or\_l | PM10 | -0.649 | 0.529 | -1.691 | 0.394 | 0.221 | 0.998 |
| fintra\_or\_l | NO2 | -0.273 | 0.220 | -0.706 | 0.161 | 0.216 | 0.998 |
| fintra\_or\_r | PM2.5 | -0.296 | 0.564 | -1.407 | 0.814 | 0.600 | 0.998 |
| fintra\_or\_r | PM10 | 0.148 | 0.483 | -0.803 | 1.099 | 0.759 | 0.998 |
| fintra\_or\_r | NO2 | 0.103 | 0.201 | -0.292 | 0.499 | 0.607 | 0.998 |
| fintra\_slf1\_l | PM2.5 | -0.476 | 0.584 | -1.626 | 0.673 | 0.415 | 0.998 |
| fintra\_slf1\_l | PM10 | 0.203 | 0.500 | -0.782 | 1.189 | 0.685 | 0.998 |
| fintra\_slf1\_l | NO2 | 0.207 | 0.208 | -0.202 | 0.615 | 0.321 | 0.998 |
| fintra\_slf1\_r | PM2.5 | -0.788 | 0.581 | -1.932 | 0.356 | 0.176 | 0.998 |
| fintra\_slf1\_r | PM10 | -0.062 | 0.499 | -1.045 | 0.921 | 0.902 | 0.998 |
| fintra\_slf1\_r | NO2 | 0.123 | 0.207 | -0.286 | 0.531 | 0.555 | 0.998 |
| fintra\_slf2\_l | PM2.5 | -0.115 | 0.644 | -1.384 | 1.154 | 0.859 | 0.998 |
| fintra\_slf2\_l | PM10 | 0.509 | 0.551 | -0.575 | 1.594 | 0.356 | 0.998 |
| fintra\_slf2\_l | NO2 | 0.279 | 0.229 | -0.172 | 0.729 | 0.224 | 0.998 |
| fintra\_slf2\_r | PM2.5 | -0.639 | 0.601 | -1.822 | 0.544 | 0.288 | 0.998 |
| fintra\_slf2\_r | PM10 | -0.085 | 0.515 | -1.100 | 0.930 | 0.869 | 0.998 |
| fintra\_slf2\_r | NO2 | 0.081 | 0.214 | -0.341 | 0.503 | 0.706 | 0.998 |
| fintra\_slf3\_l | PM2.5 | -0.482 | 0.609 | -1.682 | 0.718 | 0.430 | 0.998 |
| fintra\_slf3\_l | PM10 | 0.145 | 0.522 | -0.884 | 1.173 | 0.782 | 0.998 |
| fintra\_slf3\_l | NO2 | 0.149 | 0.217 | -0.278 | 0.576 | 0.493 | 0.998 |
| fintra\_slf3\_r | PM2.5 | -0.636 | 0.606 | -1.830 | 0.559 | 0.295 | 0.998 |
| fintra\_slf3\_r | PM10 | 0.074 | 0.520 | -0.951 | 1.098 | 0.888 | 0.998 |
| fintra\_slf3\_r | NO2 | 0.162 | 0.216 | -0.264 | 0.587 | 0.455 | 0.998 |
| fintra\_str\_l | PM2.5 | -0.841 | 0.487 | -1.801 | 0.119 | 0.086 | 0.998 |
| fintra\_str\_l | PM10 | -0.357 | 0.419 | -1.182 | 0.469 | 0.396 | 0.998 |
| fintra\_str\_l | NO2 | -0.055 | 0.175 | -0.399 | 0.289 | 0.752 | 0.998 |
| fintra\_str\_r | PM2.5 | -1.133 | 0.471 | -2.061 | -0.204 | 0.017 | 0.998 |
| fintra\_str\_r | PM10 | -0.554 | 0.407 | -1.356 | 0.247 | 0.174 | 0.998 |
| fintra\_str\_r | NO2 | -0.095 | 0.170 | -0.429 | 0.240 | 0.578 | 0.998 |
| fintra\_uf\_l | PM2.5 | -0.914 | 0.568 | -2.032 | 0.204 | 0.109 | 0.998 |
| fintra\_uf\_l | PM10 | -0.179 | 0.489 | -1.141 | 0.784 | 0.715 | 0.998 |
| fintra\_uf\_l | NO2 | 0.001 | 0.203 | -0.399 | 0.402 | 0.995 | 0.998 |
| fintra\_uf\_r | PM2.5 | -1.145 | 0.559 | -2.246 | -0.044 | 0.042 | 0.998 |
| fintra\_uf\_r | PM10 | -0.237 | 0.483 | -1.188 | 0.713 | 0.624 | 0.998 |
| fintra\_uf\_r | NO2 | -0.014 | 0.201 | -0.410 | 0.381 | 0.944 | 0.998 |
| fintra\_vof\_l | PM2.5 | -0.039 | 0.480 | -0.985 | 0.907 | 0.935 | 0.998 |
| fintra\_vof\_l | PM10 | 0.251 | 0.411 | -0.558 | 1.060 | 0.542 | 0.998 |
| fintra\_vof\_l | NO2 | 0.194 | 0.170 | -0.142 | 0.530 | 0.256 | 0.998 |
| fintra\_vof\_r | PM2.5 | -0.074 | 0.485 | -1.029 | 0.880 | 0.878 | 0.998 |
| fintra\_vof\_r | PM10 | 0.479 | 0.414 | -0.336 | 1.294 | 0.248 | 0.998 |
| fintra\_vof\_r | NO2 | 0.246 | 0.172 | -0.092 | 0.585 | 0.153 | 0.998 |
| fiso\_ac | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.781 | 0.998 |
| fiso\_ac | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.733 | 0.998 |
| fiso\_ac | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.689 | 0.998 |
| fiso\_af\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.311 | 0.998 |
| fiso\_af\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.420 | 0.998 |
| fiso\_af\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.676 | 0.998 |
| fiso\_af\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.573 | 0.998 |
| fiso\_af\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.728 | 0.998 |
| fiso\_af\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.758 | 0.998 |
| fiso\_ar\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.178 | 0.998 |
| fiso\_ar\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.305 | 0.998 |
| fiso\_ar\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.404 | 0.998 |
| fiso\_ar\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.970 | 0.998 |
| fiso\_ar\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.772 | 0.998 |
| fiso\_ar\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.301 | 0.998 |
| fiso\_atr\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.644 | 0.998 |
| fiso\_atr\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.995 | 0.998 |
| fiso\_atr\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.946 | 0.998 |
| fiso\_atr\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.095 | 0.998 |
| fiso\_atr\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.315 | 0.998 |
| fiso\_atr\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.617 | 0.998 |
| fiso\_cbd\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.069 | 0.998 |
| fiso\_cbd\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.069 | 0.998 |
| fiso\_cbd\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.292 | 0.998 |
| fiso\_cbd\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.428 | 0.998 |
| fiso\_cbd\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.489 | 0.998 |
| fiso\_cbd\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.816 | 0.998 |
| fiso\_cbp\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.732 | 0.998 |
| fiso\_cbp\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.920 | 0.998 |
| fiso\_cbp\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.971 | 0.998 |
| fiso\_cbp\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.490 | 0.998 |
| fiso\_cbp\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.370 | 0.998 |
| fiso\_cbp\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.216 | 0.998 |
| fiso\_cbt\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.589 | 0.998 |
| fiso\_cbt\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.521 | 0.998 |
| fiso\_cbt\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.588 | 0.998 |
| fiso\_cbt\_r | PM2.5 | 0.014 | 0.054 | -0.091 | 0.120 | 0.791 | 0.998 |
| fiso\_cbt\_r | PM10 | 0.028 | 0.046 | -0.063 | 0.118 | 0.548 | 0.998 |
| fiso\_cbt\_r | NO2 | 0.010 | 0.019 | -0.027 | 0.048 | 0.590 | 0.998 |
| fiso\_cst\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.600 | 0.998 |
| fiso\_cst\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.995 | 0.998 |
| fiso\_cst\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.608 | 0.998 |
| fiso\_cst\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.493 | 0.998 |
| fiso\_cst\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.724 | 0.998 |
| fiso\_cst\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.684 | 0.998 |
| fiso\_fa\_l | PM2.5 | -0.106 | 0.066 | -0.236 | 0.023 | 0.107 | 0.998 |
| fiso\_fa\_l | PM10 | -0.058 | 0.057 | -0.169 | 0.053 | 0.306 | 0.998 |
| fiso\_fa\_l | NO2 | -0.023 | 0.024 | -0.069 | 0.024 | 0.337 | 0.998 |
| fiso\_fa\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.742 | 0.998 |
| fiso\_fa\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.923 | 0.998 |
| fiso\_fa\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.452 | 0.998 |
| fiso\_fma | PM2.5 | -0.119 | 0.384 | -0.876 | 0.639 | 0.758 | 0.998 |
| fiso\_fma | PM10 | 0.019 | 0.329 | -0.629 | 0.668 | 0.954 | 0.998 |
| fiso\_fma | NO2 | -0.047 | 0.137 | -0.317 | 0.223 | 0.731 | 0.998 |
| fiso\_fmi | PM2.5 | 0.753 | 0.631 | -0.490 | 1.996 | 0.234 | 0.998 |
| fiso\_fmi | PM10 | 0.293 | 0.541 | -0.774 | 1.360 | 0.589 | 0.998 |
| fiso\_fmi | NO2 | 0.123 | 0.225 | -0.321 | 0.566 | 0.587 | 0.998 |
| fiso\_fx\_l | PM2.5 | -5.640 | 2.496 | -10.558 | -0.723 | 0.025 | 0.998 |
| fiso\_fx\_l | PM10 | -4.132 | 2.144 | -8.354 | 0.091 | 0.055 | 0.998 |
| fiso\_fx\_l | NO2 | -2.297 | 0.886 | -4.041 | -0.552 | 0.010 | 0.998 |
| fiso\_fx\_r | PM2.5 | -0.206 | 2.090 | -4.322 | 3.911 | 0.922 | 0.998 |
| fiso\_fx\_r | PM10 | 0.489 | 1.789 | -3.035 | 4.013 | 0.785 | 0.998 |
| fiso\_fx\_r | NO2 | -0.282 | 0.744 | -1.746 | 1.183 | 0.705 | 0.998 |
| fiso\_ifo\_l | PM2.5 | 0.341 | 0.517 | -0.677 | 1.358 | 0.510 | 0.998 |
| fiso\_ifo\_l | PM10 | 0.198 | 0.443 | -0.673 | 1.070 | 0.654 | 0.998 |
| fiso\_ifo\_l | NO2 | 0.100 | 0.184 | -0.262 | 0.463 | 0.586 | 0.998 |
| fiso\_ifo\_r | PM2.5 | 0.255 | 0.378 | -0.489 | 0.999 | 0.501 | 0.998 |
| fiso\_ifo\_r | PM10 | 0.198 | 0.324 | -0.439 | 0.836 | 0.541 | 0.998 |
| fiso\_ifo\_r | NO2 | 0.022 | 0.135 | -0.243 | 0.287 | 0.872 | 0.998 |
| fiso\_ilf\_l | PM2.5 | 0.263 | 0.712 | -1.140 | 1.666 | 0.712 | 0.998 |
| fiso\_ilf\_l | PM10 | 0.021 | 0.610 | -1.181 | 1.223 | 0.973 | 0.998 |
| fiso\_ilf\_l | NO2 | -0.023 | 0.254 | -0.523 | 0.477 | 0.928 | 0.998 |
| fiso\_ilf\_r | PM2.5 | 0.945 | 0.637 | -0.310 | 2.201 | 0.139 | 0.998 |
| fiso\_ilf\_r | PM10 | 0.689 | 0.546 | -0.387 | 1.765 | 0.209 | 0.998 |
| fiso\_ilf\_r | NO2 | 0.222 | 0.227 | -0.226 | 0.670 | 0.330 | 0.998 |
| fiso\_mcp | PM2.5 | -0.360 | 0.610 | -1.561 | 0.841 | 0.555 | 0.998 |
| fiso\_mcp | PM10 | -0.091 | 0.522 | -1.119 | 0.938 | 0.863 | 0.998 |
| fiso\_mcp | NO2 | -0.132 | 0.217 | -0.560 | 0.295 | 0.542 | 0.998 |
| fiso\_mdlf\_l | PM2.5 | 0.066 | 0.309 | -0.543 | 0.675 | 0.830 | 0.998 |
| fiso\_mdlf\_l | PM10 | 0.103 | 0.265 | -0.419 | 0.624 | 0.698 | 0.998 |
| fiso\_mdlf\_l | NO2 | 0.089 | 0.110 | -0.127 | 0.306 | 0.418 | 0.998 |
| fiso\_mdlf\_r | PM2.5 | -0.035 | 0.265 | -0.556 | 0.487 | 0.895 | 0.998 |
| fiso\_mdlf\_r | PM10 | 0.063 | 0.227 | -0.384 | 0.509 | 0.782 | 0.998 |
| fiso\_mdlf\_r | NO2 | 0.000 | 0.094 | -0.186 | 0.186 | 1.000 | 1.000 |
| fiso\_or\_l | PM2.5 | -0.679 | 0.639 | -1.937 | 0.580 | 0.289 | 0.998 |
| fiso\_or\_l | PM10 | -0.713 | 0.546 | -1.789 | 0.363 | 0.193 | 0.998 |
| fiso\_or\_l | NO2 | -0.319 | 0.227 | -0.766 | 0.128 | 0.161 | 0.998 |
| fiso\_or\_r | PM2.5 | -0.036 | 0.416 | -0.856 | 0.783 | 0.930 | 0.998 |
| fiso\_or\_r | PM10 | 0.050 | 0.356 | -0.651 | 0.752 | 0.888 | 0.998 |
| fiso\_or\_r | NO2 | -0.029 | 0.148 | -0.321 | 0.262 | 0.844 | 0.998 |
| fiso\_slf1\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.146 | 0.998 |
| fiso\_slf1\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.249 | 0.998 |
| fiso\_slf1\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.171 | 0.998 |
| fiso\_slf1\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.613 | 0.998 |
| fiso\_slf1\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.749 | 0.998 |
| fiso\_slf1\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.457 | 0.998 |
| fiso\_slf2\_l | PM2.5 | -0.227 | 0.140 | -0.504 | 0.050 | 0.107 | 0.998 |
| fiso\_slf2\_l | PM10 | -0.124 | 0.121 | -0.361 | 0.114 | 0.307 | 0.998 |
| fiso\_slf2\_l | NO2 | -0.048 | 0.050 | -0.147 | 0.051 | 0.338 | 0.998 |
| fiso\_slf2\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.048 | 0.998 |
| fiso\_slf2\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.294 | 0.998 |
| fiso\_slf2\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.990 | 0.998 |
| fiso\_slf3\_l | PM2.5 | -0.092 | 0.057 | -0.203 | 0.020 | 0.107 | 0.998 |
| fiso\_slf3\_l | PM10 | -0.050 | 0.049 | -0.146 | 0.046 | 0.307 | 0.998 |
| fiso\_slf3\_l | NO2 | -0.019 | 0.020 | -0.059 | 0.020 | 0.338 | 0.998 |
| fiso\_slf3\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.965 | 0.998 |
| fiso\_slf3\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.922 | 0.998 |
| fiso\_slf3\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.480 | 0.998 |
| fiso\_str\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.830 | 0.998 |
| fiso\_str\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.634 | 0.998 |
| fiso\_str\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.197 | 0.998 |
| fiso\_str\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.351 | 0.998 |
| fiso\_str\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.815 | 0.998 |
| fiso\_str\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.369 | 0.998 |
| fiso\_uf\_l | PM2.5 | 0.012 | 0.109 | -0.203 | 0.227 | 0.914 | 0.998 |
| fiso\_uf\_l | PM10 | 0.008 | 0.093 | -0.176 | 0.192 | 0.935 | 0.998 |
| fiso\_uf\_l | NO2 | 0.004 | 0.039 | -0.073 | 0.080 | 0.920 | 0.998 |
| fiso\_uf\_r | PM2.5 | 0.125 | 0.149 | -0.169 | 0.418 | 0.404 | 0.998 |
| fiso\_uf\_r | PM10 | 0.043 | 0.128 | -0.209 | 0.295 | 0.736 | 0.998 |
| fiso\_uf\_r | NO2 | -0.014 | 0.053 | -0.119 | 0.090 | 0.789 | 0.998 |
| fiso\_vof\_l | PM2.5 | -0.423 | 0.701 | -1.804 | 0.957 | 0.546 | 0.998 |
| fiso\_vof\_l | PM10 | 0.089 | 0.600 | -1.094 | 1.272 | 0.882 | 0.998 |
| fiso\_vof\_l | NO2 | 0.081 | 0.250 | -0.411 | 0.572 | 0.747 | 0.998 |
| fiso\_vof\_r | PM2.5 | -0.249 | 0.284 | -0.809 | 0.310 | 0.381 | 0.998 |
| fiso\_vof\_r | PM10 | 0.045 | 0.244 | -0.435 | 0.525 | 0.854 | 0.998 |
| fiso\_vof\_r | NO2 | -0.008 | 0.101 | -0.208 | 0.192 | 0.936 | 0.998 |
| MD\_ac | PM2.5 | 0.002 | 0.001 | 0.000 | 0.003 | 0.054 | 0.998 |
| MD\_ac | PM10 | 0.000 | 0.001 | -0.001 | 0.002 | 0.644 | 0.998 |
| MD\_ac | NO2 | 0.000 | 0.000 | -0.001 | 0.001 | 0.940 | 0.998 |
| MD\_af\_l | PM2.5 | 0.001 | 0.002 | -0.002 | 0.004 | 0.395 | 0.998 |
| MD\_af\_l | PM10 | 0.000 | 0.001 | -0.003 | 0.002 | 0.914 | 0.998 |
| MD\_af\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.633 | 0.998 |
| MD\_af\_r | PM2.5 | 0.002 | 0.002 | -0.001 | 0.005 | 0.185 | 0.998 |
| MD\_af\_r | PM10 | 0.000 | 0.001 | -0.003 | 0.003 | 0.984 | 0.998 |
| MD\_af\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.526 | 0.998 |
| MD\_ar\_l | PM2.5 | 0.001 | 0.001 | -0.001 | 0.004 | 0.306 | 0.998 |
| MD\_ar\_l | PM10 | 0.000 | 0.001 | -0.002 | 0.002 | 0.944 | 0.998 |
| MD\_ar\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.486 | 0.998 |
| MD\_ar\_r | PM2.5 | 0.002 | 0.001 | -0.001 | 0.004 | 0.168 | 0.998 |
| MD\_ar\_r | PM10 | 0.000 | 0.001 | -0.002 | 0.002 | 0.862 | 0.998 |
| MD\_ar\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.386 | 0.998 |
| MD\_atr\_l | PM2.5 | 0.002 | 0.001 | -0.001 | 0.004 | 0.226 | 0.998 |
| MD\_atr\_l | PM10 | 0.001 | 0.001 | -0.002 | 0.003 | 0.593 | 0.998 |
| MD\_atr\_l | NO2 | 0.000 | 0.000 | -0.001 | 0.001 | 0.941 | 0.998 |
| MD\_atr\_r | PM2.5 | 0.002 | 0.001 | 0.000 | 0.004 | 0.085 | 0.998 |
| MD\_atr\_r | PM10 | 0.001 | 0.001 | -0.001 | 0.003 | 0.422 | 0.998 |
| MD\_atr\_r | NO2 | 0.000 | 0.000 | -0.001 | 0.001 | 0.874 | 0.998 |
| MD\_cbd\_l | PM2.5 | 0.003 | 0.001 | 0.000 | 0.006 | 0.029 | 0.998 |
| MD\_cbd\_l | PM10 | 0.002 | 0.001 | -0.001 | 0.004 | 0.200 | 0.998 |
| MD\_cbd\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.787 | 0.998 |
| MD\_cbd\_r | PM2.5 | 0.002 | 0.002 | -0.001 | 0.005 | 0.206 | 0.998 |
| MD\_cbd\_r | PM10 | 0.000 | 0.001 | -0.002 | 0.003 | 0.734 | 0.998 |
| MD\_cbd\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.645 | 0.998 |
| MD\_cbp\_l | PM2.5 | 0.002 | 0.002 | -0.001 | 0.005 | 0.142 | 0.998 |
| MD\_cbp\_l | PM10 | 0.000 | 0.001 | -0.003 | 0.003 | 0.927 | 0.998 |
| MD\_cbp\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.680 | 0.998 |
| MD\_cbp\_r | PM2.5 | 0.001 | 0.002 | -0.002 | 0.004 | 0.620 | 0.998 |
| MD\_cbp\_r | PM10 | 0.000 | 0.001 | -0.003 | 0.002 | 0.759 | 0.998 |
| MD\_cbp\_r | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.412 | 0.998 |
| MD\_cbt\_l | PM2.5 | 0.000 | 0.001 | -0.002 | 0.002 | 0.709 | 0.998 |
| MD\_cbt\_l | PM10 | 0.000 | 0.001 | -0.002 | 0.002 | 0.979 | 0.998 |
| MD\_cbt\_l | NO2 | 0.000 | 0.000 | -0.001 | 0.001 | 0.885 | 0.998 |
| MD\_cbt\_r | PM2.5 | 0.001 | 0.001 | -0.001 | 0.003 | 0.223 | 0.998 |
| MD\_cbt\_r | PM10 | 0.000 | 0.001 | -0.002 | 0.002 | 0.885 | 0.998 |
| MD\_cbt\_r | NO2 | 0.000 | 0.000 | -0.001 | 0.001 | 0.981 | 0.998 |
| MD\_cst\_l | PM2.5 | 0.001 | 0.001 | -0.002 | 0.004 | 0.521 | 0.998 |
| MD\_cst\_l | PM10 | 0.000 | 0.001 | -0.003 | 0.002 | 0.745 | 0.998 |
| MD\_cst\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.321 | 0.998 |
| MD\_cst\_r | PM2.5 | 0.002 | 0.001 | -0.001 | 0.004 | 0.202 | 0.998 |
| MD\_cst\_r | PM10 | 0.000 | 0.001 | -0.002 | 0.002 | 0.875 | 0.998 |
| MD\_cst\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.563 | 0.998 |
| MD\_fa\_l | PM2.5 | 0.001 | 0.002 | -0.003 | 0.005 | 0.610 | 0.998 |
| MD\_fa\_l | PM10 | -0.001 | 0.002 | -0.004 | 0.002 | 0.581 | 0.998 |
| MD\_fa\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.174 | 0.998 |
| MD\_fa\_r | PM2.5 | 0.002 | 0.002 | -0.002 | 0.005 | 0.337 | 0.998 |
| MD\_fa\_r | PM10 | -0.001 | 0.002 | -0.003 | 0.002 | 0.743 | 0.998 |
| MD\_fa\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.118 | 0.998 |
| MD\_fma | PM2.5 | 0.000 | 0.002 | -0.003 | 0.004 | 0.911 | 0.998 |
| MD\_fma | PM10 | -0.001 | 0.002 | -0.004 | 0.002 | 0.408 | 0.998 |
| MD\_fma | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.099 | 0.998 |
| MD\_fmi | PM2.5 | 0.004 | 0.002 | -0.001 | 0.008 | 0.116 | 0.998 |
| MD\_fmi | PM10 | 0.002 | 0.002 | -0.002 | 0.006 | 0.315 | 0.998 |
| MD\_fmi | NO2 | 0.000 | 0.001 | -0.001 | 0.002 | 0.807 | 0.998 |
| MD\_fx\_l | PM2.5 | -0.003 | 0.002 | -0.007 | 0.001 | 0.161 | 0.998 |
| MD\_fx\_l | PM10 | -0.003 | 0.002 | -0.006 | 0.001 | 0.139 | 0.998 |
| MD\_fx\_l | NO2 | -0.002 | 0.001 | -0.003 | 0.000 | 0.028 | 0.998 |
| MD\_fx\_r | PM2.5 | 0.001 | 0.002 | -0.003 | 0.005 | 0.526 | 0.998 |
| MD\_fx\_r | PM10 | 0.001 | 0.002 | -0.003 | 0.004 | 0.612 | 0.998 |
| MD\_fx\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.002 | 0.934 | 0.998 |
| MD\_ifo\_l | PM2.5 | 0.001 | 0.002 | -0.003 | 0.005 | 0.603 | 0.998 |
| MD\_ifo\_l | PM10 | 0.000 | 0.002 | -0.004 | 0.003 | 0.834 | 0.998 |
| MD\_ifo\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.441 | 0.998 |
| MD\_ifo\_r | PM2.5 | 0.003 | 0.002 | -0.001 | 0.006 | 0.158 | 0.998 |
| MD\_ifo\_r | PM10 | 0.000 | 0.002 | -0.003 | 0.004 | 0.791 | 0.998 |
| MD\_ifo\_r | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.739 | 0.998 |
| MD\_ilf\_l | PM2.5 | 0.002 | 0.002 | -0.002 | 0.005 | 0.269 | 0.998 |
| MD\_ilf\_l | PM10 | 0.000 | 0.002 | -0.003 | 0.003 | 0.947 | 0.998 |
| MD\_ilf\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.828 | 0.998 |
| MD\_ilf\_r | PM2.5 | 0.003 | 0.002 | 0.000 | 0.006 | 0.061 | 0.998 |
| MD\_ilf\_r | PM10 | 0.000 | 0.001 | -0.003 | 0.003 | 0.857 | 0.998 |
| MD\_ilf\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.812 | 0.998 |
| MD\_mcp | PM2.5 | 0.001 | 0.001 | -0.002 | 0.003 | 0.574 | 0.998 |
| MD\_mcp | PM10 | 0.001 | 0.001 | -0.002 | 0.003 | 0.548 | 0.998 |
| MD\_mcp | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.992 | 0.998 |
| MD\_mdlf\_l | PM2.5 | 0.001 | 0.002 | -0.003 | 0.005 | 0.557 | 0.998 |
| MD\_mdlf\_l | PM10 | 0.000 | 0.002 | -0.003 | 0.003 | 0.791 | 0.998 |
| MD\_mdlf\_l | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.562 | 0.998 |
| MD\_mdlf\_r | PM2.5 | 0.002 | 0.002 | -0.001 | 0.005 | 0.248 | 0.998 |
| MD\_mdlf\_r | PM10 | 0.000 | 0.002 | -0.003 | 0.003 | 0.991 | 0.998 |
| MD\_mdlf\_r | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.692 | 0.998 |
| MD\_or\_l | PM2.5 | -0.001 | 0.002 | -0.004 | 0.003 | 0.777 | 0.998 |
| MD\_or\_l | PM10 | -0.002 | 0.002 | -0.005 | 0.001 | 0.266 | 0.998 |
| MD\_or\_l | NO2 | -0.001 | 0.001 | -0.003 | 0.000 | 0.099 | 0.998 |
| MD\_or\_r | PM2.5 | 0.002 | 0.002 | -0.002 | 0.005 | 0.427 | 0.998 |
| MD\_or\_r | PM10 | 0.000 | 0.002 | -0.004 | 0.003 | 0.850 | 0.998 |
| MD\_or\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.433 | 0.998 |
| MD\_slf1\_l | PM2.5 | 0.001 | 0.002 | -0.003 | 0.004 | 0.745 | 0.998 |
| MD\_slf1\_l | PM10 | -0.001 | 0.001 | -0.004 | 0.002 | 0.483 | 0.998 |
| MD\_slf1\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.163 | 0.998 |
| MD\_slf1\_r | PM2.5 | 0.002 | 0.002 | -0.001 | 0.005 | 0.211 | 0.998 |
| MD\_slf1\_r | PM10 | 0.000 | 0.001 | -0.002 | 0.003 | 0.869 | 0.998 |
| MD\_slf1\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.407 | 0.998 |
| MD\_slf2\_l | PM2.5 | 0.000 | 0.002 | -0.004 | 0.004 | 0.998 | 1.000 |
| MD\_slf2\_l | PM10 | -0.001 | 0.002 | -0.005 | 0.002 | 0.388 | 0.998 |
| MD\_slf2\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.180 | 0.998 |
| MD\_slf2\_r | PM2.5 | 0.002 | 0.002 | -0.002 | 0.005 | 0.407 | 0.998 |
| MD\_slf2\_r | PM10 | 0.000 | 0.002 | -0.003 | 0.003 | 0.961 | 0.998 |
| MD\_slf2\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.459 | 0.998 |
| MD\_slf3\_l | PM2.5 | 0.001 | 0.002 | -0.002 | 0.004 | 0.546 | 0.998 |
| MD\_slf3\_l | PM10 | 0.000 | 0.002 | -0.003 | 0.003 | 0.811 | 0.998 |
| MD\_slf3\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.337 | 0.998 |
| MD\_slf3\_r | PM2.5 | 0.002 | 0.002 | -0.002 | 0.005 | 0.353 | 0.998 |
| MD\_slf3\_r | PM10 | 0.000 | 0.001 | -0.003 | 0.003 | 0.940 | 0.998 |
| MD\_slf3\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.340 | 0.998 |
| MD\_str\_l | PM2.5 | 0.002 | 0.001 | 0.000 | 0.003 | 0.106 | 0.998 |
| MD\_str\_l | PM10 | 0.001 | 0.001 | -0.001 | 0.002 | 0.549 | 0.998 |
| MD\_str\_l | NO2 | 0.000 | 0.000 | -0.001 | 0.001 | 0.914 | 0.998 |
| MD\_str\_r | PM2.5 | 0.002 | 0.001 | 0.000 | 0.004 | 0.017 | 0.998 |
| MD\_str\_r | PM10 | 0.001 | 0.001 | -0.001 | 0.003 | 0.213 | 0.998 |
| MD\_str\_r | NO2 | 0.000 | 0.000 | -0.001 | 0.001 | 0.880 | 0.998 |
| MD\_uf\_l | PM2.5 | 0.002 | 0.002 | -0.001 | 0.005 | 0.191 | 0.998 |
| MD\_uf\_l | PM10 | 0.000 | 0.001 | -0.003 | 0.003 | 0.857 | 0.998 |
| MD\_uf\_l | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.595 | 0.998 |
| MD\_uf\_r | PM2.5 | 0.003 | 0.002 | 0.000 | 0.006 | 0.039 | 0.998 |
| MD\_uf\_r | PM10 | 0.001 | 0.001 | -0.002 | 0.004 | 0.539 | 0.998 |
| MD\_uf\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.844 | 0.998 |
| MD\_vof\_l | PM2.5 | -0.001 | 0.002 | -0.004 | 0.002 | 0.471 | 0.998 |
| MD\_vof\_l | PM10 | -0.002 | 0.001 | -0.004 | 0.001 | 0.255 | 0.998 |
| MD\_vof\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.079 | 0.998 |
| MD\_vof\_r | PM2.5 | 0.001 | 0.002 | -0.002 | 0.004 | 0.670 | 0.998 |
| MD\_vof\_r | PM10 | -0.001 | 0.001 | -0.004 | 0.002 | 0.538 | 0.998 |
| MD\_vof\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.177 | 0.998 |
| OD\_ac | PM2.5 | -0.110 | 0.502 | -1.099 | 0.879 | 0.827 | 0.998 |
| OD\_ac | PM10 | -0.008 | 0.430 | -0.855 | 0.839 | 0.986 | 0.998 |
| OD\_ac | NO2 | -0.164 | 0.178 | -0.515 | 0.188 | 0.360 | 0.998 |
| OD\_af\_l | PM2.5 | -0.681 | 0.599 | -1.860 | 0.499 | 0.257 | 0.998 |
| OD\_af\_l | PM10 | -0.030 | 0.514 | -1.043 | 0.983 | 0.954 | 0.998 |
| OD\_af\_l | NO2 | -0.051 | 0.214 | -0.472 | 0.371 | 0.813 | 0.998 |
| OD\_af\_r | PM2.5 | -0.566 | 0.590 | -1.729 | 0.597 | 0.338 | 0.998 |
| OD\_af\_r | PM10 | 0.122 | 0.506 | -0.875 | 1.120 | 0.809 | 0.998 |
| OD\_af\_r | NO2 | 0.183 | 0.210 | -0.231 | 0.597 | 0.384 | 0.998 |
| OD\_ar\_l | PM2.5 | -0.297 | 0.561 | -1.403 | 0.808 | 0.597 | 0.998 |
| OD\_ar\_l | PM10 | 0.243 | 0.481 | -0.703 | 1.190 | 0.613 | 0.998 |
| OD\_ar\_l | NO2 | 0.057 | 0.200 | -0.336 | 0.451 | 0.775 | 0.998 |
| OD\_ar\_r | PM2.5 | -0.321 | 0.509 | -1.324 | 0.682 | 0.529 | 0.998 |
| OD\_ar\_r | PM10 | 0.023 | 0.436 | -0.836 | 0.882 | 0.958 | 0.998 |
| OD\_ar\_r | NO2 | 0.063 | 0.181 | -0.295 | 0.420 | 0.730 | 0.998 |
| OD\_atr\_l | PM2.5 | -1.138 | 0.587 | -2.294 | 0.018 | 0.054 | 0.998 |
| OD\_atr\_l | PM10 | -0.266 | 0.506 | -1.263 | 0.731 | 0.599 | 0.998 |
| OD\_atr\_l | NO2 | -0.150 | 0.210 | -0.564 | 0.264 | 0.476 | 0.998 |
| OD\_atr\_r | PM2.5 | -1.062 | 0.622 | -2.287 | 0.163 | 0.089 | 0.998 |
| OD\_atr\_r | PM10 | -0.387 | 0.535 | -1.441 | 0.668 | 0.471 | 0.998 |
| OD\_atr\_r | NO2 | -0.219 | 0.222 | -0.657 | 0.219 | 0.325 | 0.998 |
| OD\_cbd\_l | PM2.5 | -1.126 | 0.626 | -2.358 | 0.106 | 0.073 | 0.998 |
| OD\_cbd\_l | PM10 | -0.524 | 0.538 | -1.584 | 0.536 | 0.331 | 0.998 |
| OD\_cbd\_l | NO2 | -0.107 | 0.224 | -0.549 | 0.334 | 0.632 | 0.998 |
| OD\_cbd\_r | PM2.5 | -0.399 | 0.638 | -1.655 | 0.858 | 0.533 | 0.998 |
| OD\_cbd\_r | PM10 | -0.105 | 0.546 | -1.181 | 0.972 | 0.849 | 0.998 |
| OD\_cbd\_r | NO2 | -0.035 | 0.227 | -0.482 | 0.413 | 0.879 | 0.998 |
| OD\_cbp\_l | PM2.5 | -2.462 | 0.880 | -4.196 | -0.729 | 0.006 | 0.998 |
| OD\_cbp\_l | PM10 | -1.558 | 0.759 | -3.053 | -0.063 | 0.041 | 0.998 |
| OD\_cbp\_l | NO2 | -0.419 | 0.317 | -1.043 | 0.206 | 0.188 | 0.998 |
| OD\_cbp\_r | PM2.5 | -1.054 | 1.095 | -3.211 | 1.104 | 0.337 | 0.998 |
| OD\_cbp\_r | PM10 | -1.063 | 0.937 | -2.909 | 0.783 | 0.258 | 0.998 |
| OD\_cbp\_r | NO2 | -0.334 | 0.390 | -1.102 | 0.434 | 0.392 | 0.998 |
| OD\_cbt\_l | PM2.5 | -0.623 | 0.566 | -1.739 | 0.492 | 0.272 | 0.998 |
| OD\_cbt\_l | PM10 | -0.723 | 0.484 | -1.676 | 0.230 | 0.136 | 0.998 |
| OD\_cbt\_l | NO2 | -0.357 | 0.201 | -0.752 | 0.038 | 0.077 | 0.998 |
| OD\_cbt\_r | PM2.5 | -0.344 | 0.619 | -1.564 | 0.876 | 0.579 | 0.998 |
| OD\_cbt\_r | PM10 | -0.418 | 0.530 | -1.462 | 0.626 | 0.431 | 0.998 |
| OD\_cbt\_r | NO2 | -0.165 | 0.220 | -0.599 | 0.269 | 0.455 | 0.998 |
| OD\_cst\_l | PM2.5 | -0.360 | 0.523 | -1.390 | 0.671 | 0.492 | 0.998 |
| OD\_cst\_l | PM10 | 0.170 | 0.448 | -0.713 | 1.053 | 0.705 | 0.998 |
| OD\_cst\_l | NO2 | 0.164 | 0.186 | -0.203 | 0.530 | 0.380 | 0.998 |
| OD\_cst\_r | PM2.5 | -0.415 | 0.513 | -1.426 | 0.596 | 0.419 | 0.998 |
| OD\_cst\_r | PM10 | 0.144 | 0.440 | -0.723 | 1.010 | 0.744 | 0.998 |
| OD\_cst\_r | NO2 | 0.162 | 0.183 | -0.198 | 0.521 | 0.377 | 0.998 |
| OD\_fa\_l | PM2.5 | -0.655 | 0.745 | -2.123 | 0.813 | 0.380 | 0.998 |
| OD\_fa\_l | PM10 | -0.017 | 0.639 | -1.276 | 1.241 | 0.978 | 0.998 |
| OD\_fa\_l | NO2 | -0.019 | 0.266 | -0.542 | 0.505 | 0.944 | 0.998 |
| OD\_fa\_r | PM2.5 | -0.263 | 0.701 | -1.645 | 1.118 | 0.708 | 0.998 |
| OD\_fa\_r | PM10 | 0.523 | 0.600 | -0.658 | 1.704 | 0.384 | 0.998 |
| OD\_fa\_r | NO2 | 0.246 | 0.249 | -0.245 | 0.736 | 0.325 | 0.998 |
| OD\_fma | PM2.5 | 0.009 | 0.806 | -1.579 | 1.597 | 0.991 | 0.998 |
| OD\_fma | PM10 | 0.334 | 0.690 | -1.026 | 1.693 | 0.629 | 0.998 |
| OD\_fma | NO2 | 0.172 | 0.287 | -0.393 | 0.737 | 0.550 | 0.998 |
| OD\_fmi | PM2.5 | -0.640 | 0.749 | -2.116 | 0.835 | 0.394 | 0.998 |
| OD\_fmi | PM10 | -0.031 | 0.642 | -1.296 | 1.235 | 0.962 | 0.998 |
| OD\_fmi | NO2 | 0.086 | 0.267 | -0.440 | 0.612 | 0.747 | 0.998 |
| OD\_fx\_l | PM2.5 | -0.741 | 0.530 | -1.784 | 0.302 | 0.163 | 0.998 |
| OD\_fx\_l | PM10 | -0.566 | 0.454 | -1.460 | 0.328 | 0.214 | 0.998 |
| OD\_fx\_l | NO2 | -0.215 | 0.189 | -0.586 | 0.157 | 0.257 | 0.998 |
| OD\_fx\_r | PM2.5 | -0.642 | 0.538 | -1.702 | 0.417 | 0.234 | 0.998 |
| OD\_fx\_r | PM10 | -0.417 | 0.461 | -1.326 | 0.491 | 0.367 | 0.998 |
| OD\_fx\_r | NO2 | -0.211 | 0.192 | -0.588 | 0.167 | 0.273 | 0.998 |
| OD\_ifo\_l | PM2.5 | -0.363 | 0.518 | -1.382 | 0.657 | 0.484 | 0.998 |
| OD\_ifo\_l | PM10 | 0.044 | 0.444 | -0.830 | 0.918 | 0.921 | 0.998 |
| OD\_ifo\_l | NO2 | 0.011 | 0.184 | -0.353 | 0.374 | 0.954 | 0.998 |
| OD\_ifo\_r | PM2.5 | -0.200 | 0.554 | -1.291 | 0.891 | 0.719 | 0.998 |
| OD\_ifo\_r | PM10 | 0.249 | 0.474 | -0.685 | 1.183 | 0.600 | 0.998 |
| OD\_ifo\_r | NO2 | 0.156 | 0.197 | -0.232 | 0.544 | 0.430 | 0.998 |
| OD\_ilf\_l | PM2.5 | -1.337 | 0.759 | -2.831 | 0.157 | 0.079 | 0.998 |
| OD\_ilf\_l | PM10 | -0.998 | 0.651 | -2.280 | 0.283 | 0.126 | 0.998 |
| OD\_ilf\_l | NO2 | -0.496 | 0.270 | -1.028 | 0.035 | 0.067 | 0.998 |
| OD\_ilf\_r | PM2.5 | -0.653 | 0.710 | -2.052 | 0.747 | 0.359 | 0.998 |
| OD\_ilf\_r | PM10 | 0.202 | 0.609 | -0.998 | 1.402 | 0.741 | 0.998 |
| OD\_ilf\_r | NO2 | 0.041 | 0.253 | -0.458 | 0.540 | 0.873 | 0.998 |
| OD\_mcp | PM2.5 | -0.829 | 0.633 | -2.075 | 0.417 | 0.191 | 0.998 |
| OD\_mcp | PM10 | -0.401 | 0.543 | -1.470 | 0.669 | 0.461 | 0.998 |
| OD\_mcp | NO2 | -0.426 | 0.224 | -0.868 | 0.016 | 0.059 | 0.998 |
| OD\_mdlf\_l | PM2.5 | -0.508 | 0.579 | -1.649 | 0.632 | 0.381 | 0.998 |
| OD\_mdlf\_l | PM10 | -0.039 | 0.497 | -1.017 | 0.939 | 0.938 | 0.998 |
| OD\_mdlf\_l | NO2 | -0.029 | 0.206 | -0.435 | 0.378 | 0.890 | 0.998 |
| OD\_mdlf\_r | PM2.5 | -0.349 | 0.560 | -1.453 | 0.755 | 0.534 | 0.998 |
| OD\_mdlf\_r | PM10 | 0.202 | 0.480 | -0.744 | 1.147 | 0.675 | 0.998 |
| OD\_mdlf\_r | NO2 | 0.145 | 0.199 | -0.248 | 0.538 | 0.467 | 0.998 |
| OD\_or\_l | PM2.5 | -0.283 | 0.557 | -1.380 | 0.815 | 0.612 | 0.998 |
| OD\_or\_l | PM10 | -0.011 | 0.477 | -0.951 | 0.929 | 0.982 | 0.998 |
| OD\_or\_l | NO2 | -0.009 | 0.198 | -0.400 | 0.382 | 0.963 | 0.998 |
| OD\_or\_r | PM2.5 | -0.067 | 0.528 | -1.107 | 0.974 | 0.900 | 0.998 |
| OD\_or\_r | PM10 | 0.323 | 0.452 | -0.567 | 1.212 | 0.476 | 0.998 |
| OD\_or\_r | NO2 | 0.210 | 0.188 | -0.159 | 0.579 | 0.264 | 0.998 |
| OD\_slf1\_l | PM2.5 | -0.123 | 0.645 | -1.394 | 1.147 | 0.849 | 0.998 |
| OD\_slf1\_l | PM10 | 0.437 | 0.552 | -0.650 | 1.523 | 0.429 | 0.998 |
| OD\_slf1\_l | NO2 | 0.177 | 0.229 | -0.275 | 0.629 | 0.441 | 0.998 |
| OD\_slf1\_r | PM2.5 | -0.692 | 0.620 | -1.913 | 0.529 | 0.265 | 0.998 |
| OD\_slf1\_r | PM10 | -0.077 | 0.532 | -1.125 | 0.972 | 0.886 | 0.998 |
| OD\_slf1\_r | NO2 | 0.080 | 0.221 | -0.356 | 0.515 | 0.720 | 0.998 |
| OD\_slf2\_l | PM2.5 | 0.067 | 0.645 | -1.203 | 1.337 | 0.917 | 0.998 |
| OD\_slf2\_l | PM10 | 0.560 | 0.551 | -0.525 | 1.646 | 0.310 | 0.998 |
| OD\_slf2\_l | NO2 | 0.183 | 0.229 | -0.268 | 0.635 | 0.425 | 0.998 |
| OD\_slf2\_r | PM2.5 | -0.363 | 0.596 | -1.537 | 0.811 | 0.543 | 0.998 |
| OD\_slf2\_r | PM10 | 0.060 | 0.511 | -0.946 | 1.066 | 0.906 | 0.998 |
| OD\_slf2\_r | NO2 | 0.076 | 0.212 | -0.342 | 0.494 | 0.719 | 0.998 |
| OD\_slf3\_l | PM2.5 | -0.746 | 0.691 | -2.108 | 0.617 | 0.282 | 0.998 |
| OD\_slf3\_l | PM10 | -0.174 | 0.593 | -1.343 | 0.995 | 0.770 | 0.998 |
| OD\_slf3\_l | NO2 | -0.091 | 0.247 | -0.577 | 0.395 | 0.711 | 0.998 |
| OD\_slf3\_r | PM2.5 | -0.581 | 0.685 | -1.930 | 0.768 | 0.397 | 0.998 |
| OD\_slf3\_r | PM10 | -0.082 | 0.587 | -1.239 | 1.075 | 0.889 | 0.998 |
| OD\_slf3\_r | NO2 | 0.137 | 0.244 | -0.344 | 0.617 | 0.575 | 0.998 |
| OD\_str\_l | PM2.5 | -0.640 | 0.477 | -1.580 | 0.299 | 0.181 | 0.998 |
| OD\_str\_l | PM10 | -0.192 | 0.410 | -0.999 | 0.615 | 0.640 | 0.998 |
| OD\_str\_l | NO2 | -0.056 | 0.170 | -0.391 | 0.280 | 0.744 | 0.998 |
| OD\_str\_r | PM2.5 | -0.713 | 0.468 | -1.634 | 0.208 | 0.129 | 0.998 |
| OD\_str\_r | PM10 | -0.094 | 0.402 | -0.887 | 0.699 | 0.815 | 0.998 |
| OD\_str\_r | NO2 | -0.044 | 0.167 | -0.373 | 0.286 | 0.794 | 0.998 |
| OD\_uf\_l | PM2.5 | -0.418 | 0.581 | -1.562 | 0.726 | 0.473 | 0.998 |
| OD\_uf\_l | PM10 | 0.133 | 0.498 | -0.848 | 1.114 | 0.790 | 0.998 |
| OD\_uf\_l | NO2 | 0.066 | 0.207 | -0.341 | 0.474 | 0.749 | 0.998 |
| OD\_uf\_r | PM2.5 | -0.569 | 0.640 | -1.829 | 0.691 | 0.375 | 0.998 |
| OD\_uf\_r | PM10 | -0.050 | 0.549 | -1.131 | 1.031 | 0.927 | 0.998 |
| OD\_uf\_r | NO2 | 0.028 | 0.228 | -0.421 | 0.477 | 0.902 | 0.998 |
| OD\_vof\_l | PM2.5 | 0.165 | 0.846 | -1.501 | 1.830 | 0.846 | 0.998 |
| OD\_vof\_l | PM10 | 0.327 | 0.724 | -1.098 | 1.753 | 0.652 | 0.998 |
| OD\_vof\_l | NO2 | 0.164 | 0.301 | -0.429 | 0.756 | 0.587 | 0.998 |
| OD\_vof\_r | PM2.5 | 0.592 | 0.845 | -1.072 | 2.256 | 0.484 | 0.998 |
| OD\_vof\_r | PM10 | 0.861 | 0.722 | -0.561 | 2.283 | 0.234 | 0.998 |
| OD\_vof\_r | NO2 | 0.349 | 0.300 | -0.242 | 0.940 | 0.246 | 0.998 |

**Table G3: Single linear regression results between pollution exposure over the third trimester and dMRI measures in all tracts, adjusted for sex, IMD, PMA at scan, and GA at birth; beta = effect size; CI = Confidence interval; q-value = p-value after FDR correction. WM microstructure metrics are coded as follows: First the type of metric, followed by the tract, and l = left, or r = right hemisphere, respectively. FA = fractional anisotropy; MD = mean diffusivity; fintra = neurite density index (NDI); OD = orientation dispersion index (ODI). Tract abbreviations: ac = anterior commissure; af = arguate fasciculus; ar = anterior radiations; atr = anterior thalamic radiations; cbd = dorsal cingulum; cbp = peri-genual cingulum tract; cbt = temporal cingulum; cst = corticospinal tract; fa = ; fma = forceps major; fmi = forceps minor; fx = fornix; ifo = inferior fronto-occipital fasciculus; ilf = inferior longitudinal fasciculus; mcp = middle cerebellar peduncle; mdlf = middle longitudinal fasciculus; or = optic radiation; slf(1,2,3) = superior longitudinal fasciculi; str = superior thalamic radiation; uf = uncinate fasciculus; vof = vertical occipital fasciculus.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **WM microstructure metric** | **Pollutant** | ***beta***  **(in 10-3)** | **Std. error (in 10-3)** | **Lower CI**  **(in 10-3)** | **Upper CI**  **(in 10-3)** | **p-value** | **q-value** |
| FA\_ac | PM2.5 | 0.332 | 0.342 | -0.342 | 1.006 | 0.333 | 0.956 |
| FA\_ac | PM10 | 0.370 | 0.270 | -0.162 | 0.902 | 0.172 | 0.949 |
| FA\_ac | NO2 | 0.188 | 0.136 | -0.079 | 0.455 | 0.167 | 0.949 |
| FA\_af\_l | PM2.5 | -0.470 | 0.377 | -1.211 | 0.272 | 0.214 | 0.949 |
| FA\_af\_l | PM10 | -0.272 | 0.298 | -0.860 | 0.316 | 0.363 | 0.956 |
| FA\_af\_l | NO2 | -0.026 | 0.150 | -0.322 | 0.270 | 0.865 | 0.973 |
| FA\_af\_r | PM2.5 | -0.489 | 0.377 | -1.231 | 0.253 | 0.195 | 0.949 |
| FA\_af\_r | PM10 | -0.212 | 0.299 | -0.800 | 0.376 | 0.478 | 0.956 |
| FA\_af\_r | NO2 | -0.003 | 0.150 | -0.299 | 0.293 | 0.982 | 0.993 |
| FA\_ar\_l | PM2.5 | -0.481 | 0.354 | -1.179 | 0.217 | 0.176 | 0.949 |
| FA\_ar\_l | PM10 | -0.329 | 0.281 | -0.882 | 0.224 | 0.242 | 0.949 |
| FA\_ar\_l | NO2 | -0.031 | 0.141 | -0.310 | 0.247 | 0.825 | 0.964 |
| FA\_ar\_r | PM2.5 | 0.008 | 0.362 | -0.705 | 0.721 | 0.982 | 0.993 |
| FA\_ar\_r | PM10 | 0.165 | 0.286 | -0.399 | 0.729 | 0.566 | 0.956 |
| FA\_ar\_r | NO2 | 0.194 | 0.144 | -0.089 | 0.477 | 0.178 | 0.949 |
| FA\_atr\_l | PM2.5 | -0.506 | 0.424 | -1.341 | 0.330 | 0.234 | 0.949 |
| FA\_atr\_l | PM10 | -0.162 | 0.336 | -0.824 | 0.501 | 0.631 | 0.956 |
| FA\_atr\_l | NO2 | -0.126 | 0.169 | -0.459 | 0.207 | 0.457 | 0.956 |
| FA\_atr\_r | PM2.5 | -0.299 | 0.419 | -1.125 | 0.527 | 0.476 | 0.956 |
| FA\_atr\_r | PM10 | 0.078 | 0.332 | -0.576 | 0.732 | 0.814 | 0.964 |
| FA\_atr\_r | NO2 | 0.010 | 0.167 | -0.319 | 0.339 | 0.952 | 0.990 |
| FA\_cbd\_l | PM2.5 | 0.294 | 0.415 | -0.524 | 1.112 | 0.480 | 0.956 |
| FA\_cbd\_l | PM10 | 0.531 | 0.327 | -0.113 | 1.175 | 0.106 | 0.949 |
| FA\_cbd\_l | NO2 | 0.188 | 0.165 | -0.137 | 0.513 | 0.255 | 0.949 |
| FA\_cbd\_r | PM2.5 | 0.220 | 0.428 | -0.623 | 1.064 | 0.607 | 0.956 |
| FA\_cbd\_r | PM10 | 0.459 | 0.338 | -0.206 | 1.124 | 0.175 | 0.949 |
| FA\_cbd\_r | NO2 | 0.227 | 0.170 | -0.107 | 0.562 | 0.182 | 0.949 |
| FA\_cbp\_l | PM2.5 | 0.474 | 0.617 | -0.742 | 1.689 | 0.443 | 0.956 |
| FA\_cbp\_l | PM10 | 0.689 | 0.487 | -0.270 | 1.648 | 0.158 | 0.949 |
| FA\_cbp\_l | NO2 | 0.147 | 0.246 | -0.337 | 0.631 | 0.549 | 0.956 |
| FA\_cbp\_r | PM2.5 | 0.683 | 0.621 | -0.540 | 1.905 | 0.272 | 0.949 |
| FA\_cbp\_r | PM10 | 0.694 | 0.490 | -0.272 | 1.659 | 0.158 | 0.949 |
| FA\_cbp\_r | NO2 | 0.394 | 0.246 | -0.091 | 0.879 | 0.111 | 0.949 |
| FA\_cbt\_l | PM2.5 | -0.476 | 0.264 | -0.995 | 0.044 | 0.072 | 0.949 |
| FA\_cbt\_l | PM10 | -0.261 | 0.209 | -0.673 | 0.151 | 0.213 | 0.949 |
| FA\_cbt\_l | NO2 | 0.054 | 0.106 | -0.153 | 0.262 | 0.607 | 0.956 |
| FA\_cbt\_r | PM2.5 | -0.391 | 0.307 | -0.996 | 0.214 | 0.204 | 0.949 |
| FA\_cbt\_r | PM10 | -0.090 | 0.244 | -0.570 | 0.390 | 0.712 | 0.957 |
| FA\_cbt\_r | NO2 | 0.039 | 0.123 | -0.202 | 0.280 | 0.750 | 0.963 |
| FA\_cst\_l | PM2.5 | -0.439 | 0.532 | -1.486 | 0.608 | 0.409 | 0.956 |
| FA\_cst\_l | PM10 | -0.210 | 0.421 | -1.039 | 0.619 | 0.618 | 0.956 |
| FA\_cst\_l | NO2 | -0.021 | 0.212 | -0.438 | 0.397 | 0.923 | 0.990 |
| FA\_cst\_r | PM2.5 | -0.397 | 0.514 | -1.409 | 0.616 | 0.441 | 0.956 |
| FA\_cst\_r | PM10 | -0.012 | 0.407 | -0.814 | 0.790 | 0.976 | 0.992 |
| FA\_cst\_r | NO2 | 0.088 | 0.205 | -0.315 | 0.491 | 0.667 | 0.957 |
| FA\_fa\_l | PM2.5 | -0.052 | 0.367 | -0.774 | 0.671 | 0.888 | 0.978 |
| FA\_fa\_l | PM10 | 0.147 | 0.290 | -0.424 | 0.718 | 0.612 | 0.956 |
| FA\_fa\_l | NO2 | 0.192 | 0.145 | -0.094 | 0.478 | 0.188 | 0.949 |
| FA\_fa\_r | PM2.5 | -0.028 | 0.342 | -0.701 | 0.645 | 0.934 | 0.990 |
| FA\_fa\_r | PM10 | 0.218 | 0.270 | -0.314 | 0.749 | 0.421 | 0.956 |
| FA\_fa\_r | NO2 | 0.215 | 0.135 | -0.051 | 0.481 | 0.113 | 0.949 |
| FA\_fma | PM2.5 | -0.001 | 0.419 | -0.826 | 0.825 | 0.999 | 0.999 |
| FA\_fma | PM10 | 0.268 | 0.331 | -0.384 | 0.920 | 0.419 | 0.956 |
| FA\_fma | NO2 | 0.260 | 0.166 | -0.067 | 0.587 | 0.118 | 0.949 |
| FA\_fmi | PM2.5 | -0.156 | 0.566 | -1.270 | 0.958 | 0.782 | 0.963 |
| FA\_fmi | PM10 | 0.185 | 0.447 | -0.696 | 1.066 | 0.679 | 0.957 |
| FA\_fmi | NO2 | -0.017 | 0.225 | -0.460 | 0.426 | 0.940 | 0.990 |
| FA\_fx\_l | PM2.5 | -0.685 | 0.318 | -1.312 | -0.058 | 0.032 | 0.949 |
| FA\_fx\_l | PM10 | -0.386 | 0.253 | -0.885 | 0.112 | 0.128 | 0.949 |
| FA\_fx\_l | NO2 | -0.055 | 0.128 | -0.307 | 0.196 | 0.665 | 0.957 |
| FA\_fx\_r | PM2.5 | -0.287 | 0.337 | -0.952 | 0.377 | 0.395 | 0.956 |
| FA\_fx\_r | PM10 | -0.001 | 0.267 | -0.527 | 0.525 | 0.997 | 0.999 |
| FA\_fx\_r | NO2 | 0.100 | 0.134 | -0.165 | 0.364 | 0.458 | 0.956 |
| FA\_ifo\_l | PM2.5 | -0.569 | 0.461 | -1.478 | 0.339 | 0.218 | 0.949 |
| FA\_ifo\_l | PM10 | -0.135 | 0.366 | -0.856 | 0.585 | 0.712 | 0.957 |
| FA\_ifo\_l | NO2 | -0.042 | 0.184 | -0.405 | 0.320 | 0.819 | 0.964 |
| FA\_ifo\_r | PM2.5 | -0.236 | 0.449 | -1.120 | 0.647 | 0.599 | 0.956 |
| FA\_ifo\_r | PM10 | 0.097 | 0.355 | -0.603 | 0.796 | 0.786 | 0.963 |
| FA\_ifo\_r | NO2 | 0.043 | 0.179 | -0.309 | 0.395 | 0.809 | 0.964 |
| FA\_ilf\_l | PM2.5 | -0.147 | 0.360 | -0.856 | 0.561 | 0.683 | 0.957 |
| FA\_ilf\_l | PM10 | 0.063 | 0.285 | -0.498 | 0.624 | 0.825 | 0.964 |
| FA\_ilf\_l | NO2 | 0.135 | 0.143 | -0.147 | 0.416 | 0.347 | 0.956 |
| FA\_ilf\_r | PM2.5 | -0.129 | 0.382 | -0.882 | 0.625 | 0.737 | 0.963 |
| FA\_ilf\_r | PM10 | 0.090 | 0.303 | -0.506 | 0.686 | 0.766 | 0.963 |
| FA\_ilf\_r | NO2 | 0.137 | 0.152 | -0.163 | 0.436 | 0.369 | 0.956 |
| FA\_mcp | PM2.5 | -0.309 | 0.346 | -0.990 | 0.373 | 0.373 | 0.956 |
| FA\_mcp | PM10 | -0.107 | 0.274 | -0.647 | 0.432 | 0.695 | 0.957 |
| FA\_mcp | NO2 | 0.098 | 0.138 | -0.173 | 0.370 | 0.476 | 0.956 |
| FA\_mdlf\_l | PM2.5 | -0.868 | 0.462 | -1.778 | 0.042 | 0.061 | 0.949 |
| FA\_mdlf\_l | PM10 | -0.414 | 0.367 | -1.137 | 0.309 | 0.260 | 0.949 |
| FA\_mdlf\_l | NO2 | -0.112 | 0.185 | -0.477 | 0.252 | 0.544 | 0.956 |
| FA\_mdlf\_r | PM2.5 | -0.424 | 0.446 | -1.302 | 0.454 | 0.343 | 0.956 |
| FA\_mdlf\_r | PM10 | -0.116 | 0.353 | -0.812 | 0.579 | 0.742 | 0.963 |
| FA\_mdlf\_r | NO2 | -0.041 | 0.178 | -0.391 | 0.309 | 0.817 | 0.964 |
| FA\_or\_l | PM2.5 | -0.682 | 0.503 | -1.672 | 0.309 | 0.176 | 0.949 |
| FA\_or\_l | PM10 | -0.140 | 0.399 | -0.926 | 0.647 | 0.727 | 0.961 |
| FA\_or\_l | NO2 | 0.018 | 0.201 | -0.378 | 0.413 | 0.930 | 0.990 |
| FA\_or\_r | PM2.5 | -0.406 | 0.513 | -1.416 | 0.604 | 0.429 | 0.956 |
| FA\_or\_r | PM10 | -0.025 | 0.406 | -0.825 | 0.775 | 0.951 | 0.990 |
| FA\_or\_r | NO2 | -0.001 | 0.204 | -0.403 | 0.402 | 0.997 | 0.999 |
| FA\_slf1\_l | PM2.5 | -0.237 | 0.416 | -1.056 | 0.582 | 0.569 | 0.956 |
| FA\_slf1\_l | PM10 | 0.023 | 0.329 | -0.626 | 0.671 | 0.945 | 0.990 |
| FA\_slf1\_l | NO2 | 0.182 | 0.165 | -0.143 | 0.508 | 0.270 | 0.949 |
| FA\_slf1\_r | PM2.5 | -0.343 | 0.421 | -1.173 | 0.487 | 0.417 | 0.956 |
| FA\_slf1\_r | PM10 | -0.058 | 0.334 | -0.715 | 0.600 | 0.863 | 0.973 |
| FA\_slf1\_r | NO2 | 0.094 | 0.168 | -0.236 | 0.424 | 0.576 | 0.956 |
| FA\_slf2\_l | PM2.5 | -0.318 | 0.429 | -1.163 | 0.528 | 0.460 | 0.956 |
| FA\_slf2\_l | PM10 | -0.077 | 0.340 | -0.747 | 0.593 | 0.821 | 0.964 |
| FA\_slf2\_l | NO2 | 0.026 | 0.171 | -0.311 | 0.363 | 0.878 | 0.973 |
| FA\_slf2\_r | PM2.5 | -0.381 | 0.391 | -1.151 | 0.389 | 0.330 | 0.956 |
| FA\_slf2\_r | PM10 | -0.108 | 0.310 | -0.718 | 0.502 | 0.728 | 0.961 |
| FA\_slf2\_r | NO2 | -0.006 | 0.156 | -0.313 | 0.301 | 0.969 | 0.990 |
| FA\_slf3\_l | PM2.5 | -0.141 | 0.369 | -0.867 | 0.585 | 0.702 | 0.957 |
| FA\_slf3\_l | PM10 | 0.106 | 0.292 | -0.469 | 0.680 | 0.718 | 0.958 |
| FA\_slf3\_l | NO2 | 0.168 | 0.146 | -0.120 | 0.457 | 0.251 | 0.949 |
| FA\_slf3\_r | PM2.5 | -0.226 | 0.344 | -0.903 | 0.452 | 0.513 | 0.956 |
| FA\_slf3\_r | PM10 | 0.030 | 0.272 | -0.507 | 0.567 | 0.912 | 0.990 |
| FA\_slf3\_r | NO2 | 0.070 | 0.137 | -0.200 | 0.339 | 0.612 | 0.956 |
| FA\_str\_l | PM2.5 | -0.172 | 0.387 | -0.933 | 0.590 | 0.657 | 0.957 |
| FA\_str\_l | PM10 | -0.067 | 0.306 | -0.670 | 0.536 | 0.827 | 0.964 |
| FA\_str\_l | NO2 | 0.033 | 0.154 | -0.270 | 0.336 | 0.830 | 0.964 |
| FA\_str\_r | PM2.5 | -0.139 | 0.355 | -0.839 | 0.561 | 0.696 | 0.957 |
| FA\_str\_r | PM10 | 0.122 | 0.281 | -0.432 | 0.675 | 0.665 | 0.957 |
| FA\_str\_r | NO2 | 0.167 | 0.141 | -0.111 | 0.444 | 0.238 | 0.949 |
| FA\_uf\_l | PM2.5 | -0.342 | 0.415 | -1.159 | 0.475 | 0.410 | 0.956 |
| FA\_uf\_l | PM10 | -0.065 | 0.328 | -0.712 | 0.582 | 0.843 | 0.971 |
| FA\_uf\_l | NO2 | -0.039 | 0.165 | -0.364 | 0.287 | 0.815 | 0.964 |
| FA\_uf\_r | PM2.5 | -0.079 | 0.379 | -0.825 | 0.668 | 0.836 | 0.968 |
| FA\_uf\_r | PM10 | 0.204 | 0.299 | -0.385 | 0.794 | 0.496 | 0.956 |
| FA\_uf\_r | NO2 | 0.092 | 0.151 | -0.205 | 0.388 | 0.544 | 0.956 |
| FA\_vof\_l | PM2.5 | -0.283 | 0.250 | -0.775 | 0.209 | 0.259 | 0.949 |
| FA\_vof\_l | PM10 | -0.052 | 0.198 | -0.442 | 0.339 | 0.795 | 0.964 |
| FA\_vof\_l | NO2 | 0.118 | 0.099 | -0.077 | 0.314 | 0.235 | 0.949 |
| FA\_vof\_r | PM2.5 | -0.241 | 0.256 | -0.745 | 0.263 | 0.347 | 0.956 |
| FA\_vof\_r | PM10 | -0.019 | 0.203 | -0.419 | 0.380 | 0.924 | 0.990 |
| FA\_vof\_r | NO2 | 0.119 | 0.102 | -0.081 | 0.320 | 0.242 | 0.949 |
| fintra\_ac | PM2.5 | -0.039 | 0.417 | -0.861 | 0.783 | 0.926 | 0.990 |
| fintra\_ac | PM10 | 0.052 | 0.330 | -0.599 | 0.702 | 0.876 | 0.973 |
| fintra\_ac | NO2 | 0.087 | 0.166 | -0.240 | 0.414 | 0.600 | 0.956 |
| fintra\_af\_l | PM2.5 | 0.315 | 0.533 | -0.735 | 1.366 | 0.555 | 0.956 |
| fintra\_af\_l | PM10 | 0.236 | 0.422 | -0.595 | 1.067 | 0.576 | 0.956 |
| fintra\_af\_l | NO2 | 0.137 | 0.212 | -0.281 | 0.555 | 0.518 | 0.956 |
| fintra\_af\_r | PM2.5 | 0.264 | 0.508 | -0.737 | 1.265 | 0.604 | 0.956 |
| fintra\_af\_r | PM10 | 0.373 | 0.402 | -0.418 | 1.164 | 0.354 | 0.956 |
| fintra\_af\_r | NO2 | 0.202 | 0.202 | -0.195 | 0.600 | 0.317 | 0.956 |
| fintra\_ar\_l | PM2.5 | 0.542 | 0.393 | -0.232 | 1.315 | 0.169 | 0.949 |
| fintra\_ar\_l | PM10 | 0.379 | 0.311 | -0.233 | 0.992 | 0.224 | 0.949 |
| fintra\_ar\_l | NO2 | 0.254 | 0.156 | -0.054 | 0.561 | 0.105 | 0.949 |
| fintra\_ar\_r | PM2.5 | 0.573 | 0.380 | -0.175 | 1.321 | 0.132 | 0.949 |
| fintra\_ar\_r | PM10 | 0.479 | 0.300 | -0.112 | 1.071 | 0.112 | 0.949 |
| fintra\_ar\_r | NO2 | 0.311 | 0.150 | 0.015 | 0.607 | 0.040 | 0.949 |
| fintra\_atr\_l | PM2.5 | 0.218 | 0.496 | -0.759 | 1.195 | 0.660 | 0.957 |
| fintra\_atr\_l | PM10 | 0.230 | 0.392 | -0.543 | 1.003 | 0.558 | 0.956 |
| fintra\_atr\_l | NO2 | 0.091 | 0.197 | -0.298 | 0.479 | 0.646 | 0.957 |
| fintra\_atr\_r | PM2.5 | 0.049 | 0.505 | -0.947 | 1.044 | 0.923 | 0.990 |
| fintra\_atr\_r | PM10 | 0.243 | 0.400 | -0.544 | 1.030 | 0.544 | 0.956 |
| fintra\_atr\_r | NO2 | 0.123 | 0.201 | -0.272 | 0.519 | 0.539 | 0.956 |
| fintra\_cbd\_l | PM2.5 | 0.605 | 0.480 | -0.341 | 1.552 | 0.209 | 0.949 |
| fintra\_cbd\_l | PM10 | 0.533 | 0.380 | -0.215 | 1.281 | 0.162 | 0.949 |
| fintra\_cbd\_l | NO2 | 0.201 | 0.191 | -0.176 | 0.578 | 0.294 | 0.956 |
| fintra\_cbd\_r | PM2.5 | 0.356 | 0.506 | -0.641 | 1.353 | 0.483 | 0.956 |
| fintra\_cbd\_r | PM10 | 0.452 | 0.400 | -0.336 | 1.239 | 0.259 | 0.949 |
| fintra\_cbd\_r | NO2 | 0.139 | 0.201 | -0.257 | 0.536 | 0.490 | 0.956 |
| fintra\_cbp\_l | PM2.5 | 0.675 | 0.548 | -0.404 | 1.753 | 0.219 | 0.949 |
| fintra\_cbp\_l | PM10 | 0.464 | 0.433 | -0.390 | 1.318 | 0.285 | 0.956 |
| fintra\_cbp\_l | NO2 | 0.187 | 0.218 | -0.243 | 0.616 | 0.393 | 0.956 |
| fintra\_cbp\_r | PM2.5 | 0.150 | 0.554 | -0.942 | 1.242 | 0.787 | 0.963 |
| fintra\_cbp\_r | PM10 | 0.251 | 0.438 | -0.613 | 1.114 | 0.568 | 0.956 |
| fintra\_cbp\_r | NO2 | 0.060 | 0.221 | -0.374 | 0.494 | 0.786 | 0.963 |
| fintra\_cbt\_l | PM2.5 | 0.051 | 0.318 | -0.575 | 0.676 | 0.873 | 0.973 |
| fintra\_cbt\_l | PM10 | -0.074 | 0.251 | -0.569 | 0.421 | 0.768 | 0.963 |
| fintra\_cbt\_l | NO2 | -0.053 | 0.126 | -0.301 | 0.196 | 0.677 | 0.957 |
| fintra\_cbt\_r | PM2.5 | 0.000 | 0.298 | -0.588 | 0.588 | 0.999 | 0.999 |
| fintra\_cbt\_r | PM10 | 0.016 | 0.236 | -0.449 | 0.481 | 0.946 | 0.990 |
| fintra\_cbt\_r | NO2 | -0.027 | 0.119 | -0.261 | 0.207 | 0.820 | 0.964 |
| fintra\_cst\_l | PM2.5 | 0.477 | 0.464 | -0.437 | 1.390 | 0.305 | 0.956 |
| fintra\_cst\_l | PM10 | 0.456 | 0.367 | -0.266 | 1.178 | 0.215 | 0.949 |
| fintra\_cst\_l | NO2 | 0.257 | 0.184 | -0.106 | 0.620 | 0.164 | 0.949 |
| fintra\_cst\_r | PM2.5 | 0.259 | 0.448 | -0.624 | 1.141 | 0.564 | 0.956 |
| fintra\_cst\_r | PM10 | 0.317 | 0.354 | -0.381 | 1.014 | 0.372 | 0.956 |
| fintra\_cst\_r | NO2 | 0.167 | 0.178 | -0.184 | 0.518 | 0.349 | 0.956 |
| fintra\_fa\_l | PM2.5 | 0.619 | 0.515 | -0.396 | 1.634 | 0.231 | 0.949 |
| fintra\_fa\_l | PM10 | 0.602 | 0.407 | -0.200 | 1.404 | 0.140 | 0.949 |
| fintra\_fa\_l | NO2 | 0.287 | 0.205 | -0.116 | 0.691 | 0.162 | 0.949 |
| fintra\_fa\_r | PM2.5 | 0.370 | 0.496 | -0.606 | 1.346 | 0.456 | 0.956 |
| fintra\_fa\_r | PM10 | 0.478 | 0.391 | -0.293 | 1.249 | 0.223 | 0.949 |
| fintra\_fa\_r | NO2 | 0.243 | 0.197 | -0.145 | 0.631 | 0.218 | 0.949 |
| fintra\_fma | PM2.5 | 0.195 | 0.472 | -0.734 | 1.125 | 0.679 | 0.957 |
| fintra\_fma | PM10 | 0.241 | 0.373 | -0.494 | 0.976 | 0.519 | 0.956 |
| fintra\_fma | NO2 | 0.176 | 0.187 | -0.193 | 0.546 | 0.348 | 0.956 |
| fintra\_fmi | PM2.5 | 0.209 | 0.545 | -0.864 | 1.283 | 0.701 | 0.957 |
| fintra\_fmi | PM10 | 0.428 | 0.430 | -0.420 | 1.276 | 0.321 | 0.956 |
| fintra\_fmi | NO2 | 0.085 | 0.217 | -0.342 | 0.512 | 0.694 | 0.957 |
| fintra\_fx\_l | PM2.5 | 0.239 | 0.494 | -0.734 | 1.212 | 0.629 | 0.956 |
| fintra\_fx\_l | PM10 | 0.018 | 0.391 | -0.752 | 0.788 | 0.963 | 0.990 |
| fintra\_fx\_l | NO2 | -0.189 | 0.196 | -0.575 | 0.198 | 0.338 | 0.956 |
| fintra\_fx\_r | PM2.5 | -0.020 | 0.387 | -0.783 | 0.743 | 0.958 | 0.990 |
| fintra\_fx\_r | PM10 | -0.045 | 0.306 | -0.648 | 0.559 | 0.884 | 0.976 |
| fintra\_fx\_r | NO2 | -0.147 | 0.154 | -0.450 | 0.156 | 0.340 | 0.956 |
| fintra\_ifo\_l | PM2.5 | -0.119 | 0.469 | -1.043 | 0.806 | 0.801 | 0.964 |
| fintra\_ifo\_l | PM10 | 0.061 | 0.371 | -0.670 | 0.793 | 0.869 | 0.973 |
| fintra\_ifo\_l | NO2 | -0.017 | 0.187 | -0.384 | 0.351 | 0.930 | 0.990 |
| fintra\_ifo\_r | PM2.5 | -0.089 | 0.461 | -0.997 | 0.819 | 0.847 | 0.971 |
| fintra\_ifo\_r | PM10 | 0.177 | 0.365 | -0.542 | 0.895 | 0.628 | 0.956 |
| fintra\_ifo\_r | NO2 | 0.067 | 0.183 | -0.294 | 0.428 | 0.716 | 0.958 |
| fintra\_ilf\_l | PM2.5 | -0.195 | 0.426 | -1.035 | 0.645 | 0.648 | 0.957 |
| fintra\_ilf\_l | PM10 | -0.066 | 0.337 | -0.731 | 0.599 | 0.845 | 0.971 |
| fintra\_ilf\_l | NO2 | -0.024 | 0.170 | -0.358 | 0.311 | 0.889 | 0.978 |
| fintra\_ilf\_r | PM2.5 | 0.211 | 0.407 | -0.591 | 1.013 | 0.605 | 0.956 |
| fintra\_ilf\_r | PM10 | 0.344 | 0.321 | -0.290 | 0.977 | 0.286 | 0.956 |
| fintra\_ilf\_r | NO2 | 0.135 | 0.162 | -0.183 | 0.454 | 0.404 | 0.956 |
| fintra\_mcp | PM2.5 | -0.086 | 0.498 | -1.068 | 0.896 | 0.863 | 0.973 |
| fintra\_mcp | PM10 | -0.147 | 0.394 | -0.923 | 0.630 | 0.710 | 0.957 |
| fintra\_mcp | NO2 | -0.096 | 0.198 | -0.487 | 0.294 | 0.627 | 0.956 |
| fintra\_mdlf\_l | PM2.5 | -0.182 | 0.492 | -1.152 | 0.788 | 0.712 | 0.957 |
| fintra\_mdlf\_l | PM10 | -0.066 | 0.390 | -0.833 | 0.701 | 0.866 | 0.973 |
| fintra\_mdlf\_l | NO2 | -0.008 | 0.196 | -0.394 | 0.377 | 0.966 | 0.990 |
| fintra\_mdlf\_r | PM2.5 | -0.202 | 0.452 | -1.093 | 0.688 | 0.655 | 0.957 |
| fintra\_mdlf\_r | PM10 | 0.021 | 0.358 | -0.684 | 0.726 | 0.954 | 0.990 |
| fintra\_mdlf\_r | NO2 | 0.052 | 0.180 | -0.303 | 0.406 | 0.774 | 0.963 |
| fintra\_or\_l | PM2.5 | -0.503 | 0.546 | -1.577 | 0.572 | 0.358 | 0.956 |
| fintra\_or\_l | PM10 | -0.364 | 0.432 | -1.214 | 0.487 | 0.400 | 0.956 |
| fintra\_or\_l | NO2 | -0.224 | 0.217 | -0.651 | 0.203 | 0.303 | 0.956 |
| fintra\_or\_r | PM2.5 | -0.361 | 0.497 | -1.339 | 0.617 | 0.468 | 0.956 |
| fintra\_or\_r | PM10 | -0.045 | 0.393 | -0.819 | 0.730 | 0.910 | 0.990 |
| fintra\_or\_r | NO2 | -0.031 | 0.198 | -0.421 | 0.358 | 0.875 | 0.973 |
| fintra\_slf1\_l | PM2.5 | 0.707 | 0.513 | -0.303 | 1.717 | 0.169 | 0.949 |
| fintra\_slf1\_l | PM10 | 0.655 | 0.405 | -0.143 | 1.453 | 0.107 | 0.949 |
| fintra\_slf1\_l | NO2 | 0.395 | 0.203 | -0.006 | 0.795 | 0.053 | 0.949 |
| fintra\_slf1\_r | PM2.5 | 0.706 | 0.512 | -0.303 | 1.714 | 0.169 | 0.949 |
| fintra\_slf1\_r | PM10 | 0.758 | 0.403 | -0.037 | 1.553 | 0.061 | 0.949 |
| fintra\_slf1\_r | NO2 | 0.372 | 0.203 | -0.028 | 0.772 | 0.068 | 0.949 |
| fintra\_slf2\_l | PM2.5 | 0.156 | 0.568 | -0.962 | 1.274 | 0.783 | 0.963 |
| fintra\_slf2\_l | PM10 | 0.316 | 0.449 | -0.568 | 1.200 | 0.482 | 0.956 |
| fintra\_slf2\_l | NO2 | 0.182 | 0.226 | -0.262 | 0.626 | 0.421 | 0.956 |
| fintra\_slf2\_r | PM2.5 | 0.281 | 0.530 | -0.764 | 1.325 | 0.597 | 0.956 |
| fintra\_slf2\_r | PM10 | 0.412 | 0.419 | -0.413 | 1.237 | 0.326 | 0.956 |
| fintra\_slf2\_r | NO2 | 0.174 | 0.211 | -0.241 | 0.589 | 0.410 | 0.956 |
| fintra\_slf3\_l | PM2.5 | 0.263 | 0.537 | -0.796 | 1.322 | 0.625 | 0.956 |
| fintra\_slf3\_l | PM10 | 0.288 | 0.425 | -0.550 | 1.125 | 0.499 | 0.956 |
| fintra\_slf3\_l | NO2 | 0.153 | 0.214 | -0.268 | 0.574 | 0.475 | 0.956 |
| fintra\_slf3\_r | PM2.5 | 0.263 | 0.535 | -0.791 | 1.318 | 0.623 | 0.956 |
| fintra\_slf3\_r | PM10 | 0.422 | 0.423 | -0.411 | 1.255 | 0.320 | 0.956 |
| fintra\_slf3\_r | NO2 | 0.197 | 0.213 | -0.222 | 0.616 | 0.355 | 0.956 |
| fintra\_str\_l | PM2.5 | 0.577 | 0.431 | -0.271 | 1.425 | 0.181 | 0.949 |
| fintra\_str\_l | PM10 | 0.398 | 0.341 | -0.274 | 1.069 | 0.245 | 0.949 |
| fintra\_str\_l | NO2 | 0.112 | 0.172 | -0.226 | 0.451 | 0.514 | 0.956 |
| fintra\_str\_r | PM2.5 | 0.150 | 0.420 | -0.678 | 0.978 | 0.722 | 0.961 |
| fintra\_str\_r | PM10 | 0.179 | 0.332 | -0.476 | 0.834 | 0.590 | 0.956 |
| fintra\_str\_r | NO2 | 0.045 | 0.167 | -0.284 | 0.375 | 0.786 | 0.963 |
| fintra\_uf\_l | PM2.5 | 0.559 | 0.502 | -0.429 | 1.547 | 0.266 | 0.949 |
| fintra\_uf\_l | PM10 | 0.582 | 0.396 | -0.199 | 1.362 | 0.143 | 0.949 |
| fintra\_uf\_l | NO2 | 0.232 | 0.200 | -0.161 | 0.625 | 0.245 | 0.949 |
| fintra\_uf\_r | PM2.5 | 0.478 | 0.496 | -0.499 | 1.455 | 0.336 | 0.956 |
| fintra\_uf\_r | PM10 | 0.582 | 0.391 | -0.189 | 1.353 | 0.138 | 0.949 |
| fintra\_uf\_r | NO2 | 0.223 | 0.197 | -0.166 | 0.611 | 0.259 | 0.949 |
| fintra\_vof\_l | PM2.5 | 0.629 | 0.421 | -0.201 | 1.458 | 0.137 | 0.949 |
| fintra\_vof\_l | PM10 | 0.572 | 0.333 | -0.084 | 1.227 | 0.087 | 0.949 |
| fintra\_vof\_l | NO2 | 0.371 | 0.167 | 0.043 | 0.699 | 0.027 | 0.949 |
| fintra\_vof\_r | PM2.5 | 0.471 | 0.426 | -0.369 | 1.310 | 0.270 | 0.949 |
| fintra\_vof\_r | PM10 | 0.565 | 0.336 | -0.097 | 1.227 | 0.094 | 0.949 |
| fintra\_vof\_r | NO2 | 0.300 | 0.169 | -0.033 | 0.632 | 0.077 | 0.949 |
| fiso\_ac | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.557 | 0.956 |
| fiso\_ac | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.871 | 0.973 |
| fiso\_ac | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.764 | 0.963 |
| fiso\_af\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.087 | 0.949 |
| fiso\_af\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.137 | 0.949 |
| fiso\_af\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.327 | 0.956 |
| fiso\_af\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.880 | 0.973 |
| fiso\_af\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.909 | 0.990 |
| fiso\_af\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.712 | 0.957 |
| fiso\_ar\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.153 | 0.949 |
| fiso\_ar\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.102 | 0.949 |
| fiso\_ar\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.173 | 0.949 |
| fiso\_ar\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.310 | 0.956 |
| fiso\_ar\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.158 | 0.949 |
| fiso\_ar\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.092 | 0.949 |
| fiso\_atr\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.990 | 0.996 |
| fiso\_atr\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.709 | 0.957 |
| fiso\_atr\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.747 | 0.963 |
| fiso\_atr\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.544 | 0.956 |
| fiso\_atr\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.439 | 0.956 |
| fiso\_atr\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.971 | 0.990 |
| fiso\_cbd\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.569 | 0.956 |
| fiso\_cbd\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.801 | 0.964 |
| fiso\_cbd\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.405 | 0.956 |
| fiso\_cbd\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.130 | 0.949 |
| fiso\_cbd\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.205 | 0.949 |
| fiso\_cbd\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.284 | 0.956 |
| fiso\_cbp\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.627 | 0.956 |
| fiso\_cbp\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.342 | 0.956 |
| fiso\_cbp\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.384 | 0.956 |
| fiso\_cbp\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.654 | 0.957 |
| fiso\_cbp\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.559 | 0.956 |
| fiso\_cbp\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.801 | 0.964 |
| fiso\_cbt\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.037 | 0.949 |
| fiso\_cbt\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.072 | 0.949 |
| fiso\_cbt\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.115 | 0.949 |
| fiso\_cbt\_r | PM2.5 | -0.019 | 0.047 | -0.112 | 0.074 | 0.682 | 0.957 |
| fiso\_cbt\_r | PM10 | -0.020 | 0.037 | -0.094 | 0.054 | 0.593 | 0.956 |
| fiso\_cbt\_r | NO2 | -0.006 | 0.019 | -0.043 | 0.031 | 0.742 | 0.963 |
| fiso\_cst\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.472 | 0.956 |
| fiso\_cst\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.784 | 0.963 |
| fiso\_cst\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.976 | 0.992 |
| fiso\_cst\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.910 | 0.990 |
| fiso\_cst\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.786 | 0.963 |
| fiso\_cst\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.324 | 0.956 |
| fiso\_fa\_l | PM2.5 | 0.015 | 0.058 | -0.100 | 0.130 | 0.795 | 0.964 |
| fiso\_fa\_l | PM10 | 0.002 | 0.046 | -0.089 | 0.093 | 0.971 | 0.990 |
| fiso\_fa\_l | NO2 | -0.007 | 0.023 | -0.053 | 0.039 | 0.758 | 0.963 |
| fiso\_fa\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.513 | 0.956 |
| fiso\_fa\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.234 | 0.949 |
| fiso\_fa\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.112 | 0.949 |
| fiso\_fma | PM2.5 | 0.169 | 0.339 | -0.499 | 0.836 | 0.619 | 0.956 |
| fiso\_fma | PM10 | 0.078 | 0.268 | -0.450 | 0.606 | 0.771 | 0.963 |
| fiso\_fma | NO2 | 0.003 | 0.135 | -0.263 | 0.269 | 0.982 | 0.993 |
| fiso\_fmi | PM2.5 | 0.500 | 0.557 | -0.597 | 1.596 | 0.370 | 0.956 |
| fiso\_fmi | PM10 | 0.288 | 0.441 | -0.581 | 1.156 | 0.515 | 0.956 |
| fiso\_fmi | NO2 | 0.189 | 0.222 | -0.247 | 0.626 | 0.393 | 0.956 |
| fiso\_fx\_l | PM2.5 | 2.664 | 2.217 | -1.703 | 7.031 | 0.231 | 0.949 |
| fiso\_fx\_l | PM10 | 0.795 | 1.758 | -2.668 | 4.259 | 0.651 | 0.957 |
| fiso\_fx\_l | NO2 | -0.770 | 0.883 | -2.510 | 0.970 | 0.384 | 0.956 |
| fiso\_fx\_r | PM2.5 | 0.291 | 1.842 | -3.337 | 3.919 | 0.875 | 0.973 |
| fiso\_fx\_r | PM10 | -0.440 | 1.457 | -3.309 | 2.429 | 0.763 | 0.963 |
| fiso\_fx\_r | NO2 | -0.962 | 0.730 | -2.399 | 0.476 | 0.189 | 0.949 |
| fiso\_ifo\_l | PM2.5 | 0.631 | 0.454 | -0.264 | 1.525 | 0.166 | 0.949 |
| fiso\_ifo\_l | PM10 | 0.477 | 0.359 | -0.231 | 1.184 | 0.186 | 0.949 |
| fiso\_ifo\_l | NO2 | 0.249 | 0.181 | -0.106 | 0.605 | 0.169 | 0.949 |
| fiso\_ifo\_r | PM2.5 | 0.139 | 0.333 | -0.517 | 0.796 | 0.676 | 0.957 |
| fiso\_ifo\_r | PM10 | 0.075 | 0.264 | -0.444 | 0.594 | 0.777 | 0.963 |
| fiso\_ifo\_r | NO2 | 0.083 | 0.132 | -0.178 | 0.344 | 0.532 | 0.956 |
| fiso\_ilf\_l | PM2.5 | 1.399 | 0.621 | 0.175 | 2.623 | 0.025 | 0.949 |
| fiso\_ilf\_l | PM10 | 0.978 | 0.493 | 0.007 | 1.949 | 0.048 | 0.949 |
| fiso\_ilf\_l | NO2 | 0.397 | 0.249 | -0.093 | 0.886 | 0.112 | 0.949 |
| fiso\_ilf\_r | PM2.5 | 0.069 | 0.564 | -1.043 | 1.180 | 0.903 | 0.990 |
| fiso\_ilf\_r | PM10 | 0.177 | 0.446 | -0.702 | 1.056 | 0.692 | 0.957 |
| fiso\_ilf\_r | NO2 | 0.147 | 0.224 | -0.294 | 0.589 | 0.512 | 0.956 |
| fiso\_mcp | PM2.5 | 0.843 | 0.535 | -0.211 | 1.896 | 0.116 | 0.949 |
| fiso\_mcp | PM10 | 0.773 | 0.422 | -0.059 | 1.605 | 0.068 | 0.949 |
| fiso\_mcp | NO2 | 0.129 | 0.214 | -0.292 | 0.549 | 0.548 | 0.956 |
| fiso\_mdlf\_l | PM2.5 | 0.537 | 0.270 | 0.005 | 1.070 | 0.048 | 0.949 |
| fiso\_mdlf\_l | PM10 | 0.449 | 0.214 | 0.028 | 0.870 | 0.037 | 0.949 |
| fiso\_mdlf\_l | NO2 | 0.189 | 0.108 | -0.023 | 0.401 | 0.080 | 0.949 |
| fiso\_mdlf\_r | PM2.5 | 0.197 | 0.233 | -0.262 | 0.656 | 0.398 | 0.956 |
| fiso\_mdlf\_r | PM10 | 0.103 | 0.185 | -0.260 | 0.467 | 0.575 | 0.956 |
| fiso\_mdlf\_r | NO2 | 0.077 | 0.093 | -0.105 | 0.260 | 0.406 | 0.956 |
| fiso\_or\_l | PM2.5 | 0.542 | 0.563 | -0.567 | 1.652 | 0.337 | 0.956 |
| fiso\_or\_l | PM10 | 0.236 | 0.446 | -0.643 | 1.115 | 0.598 | 0.956 |
| fiso\_or\_l | NO2 | -0.016 | 0.224 | -0.458 | 0.426 | 0.942 | 0.990 |
| fiso\_or\_r | PM2.5 | 0.178 | 0.366 | -0.543 | 0.900 | 0.627 | 0.956 |
| fiso\_or\_r | PM10 | 0.032 | 0.290 | -0.539 | 0.603 | 0.913 | 0.990 |
| fiso\_or\_r | NO2 | 0.015 | 0.146 | -0.272 | 0.302 | 0.919 | 0.990 |
| fiso\_slf1\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.929 | 0.990 |
| fiso\_slf1\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.740 | 0.963 |
| fiso\_slf1\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.378 | 0.956 |
| fiso\_slf1\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.845 | 0.971 |
| fiso\_slf1\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.757 | 0.963 |
| fiso\_slf1\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.564 | 0.956 |
| fiso\_slf2\_l | PM2.5 | 0.033 | 0.124 | -0.213 | 0.278 | 0.793 | 0.964 |
| fiso\_slf2\_l | PM10 | 0.004 | 0.098 | -0.190 | 0.198 | 0.969 | 0.990 |
| fiso\_slf2\_l | NO2 | -0.015 | 0.050 | -0.113 | 0.082 | 0.760 | 0.963 |
| fiso\_slf2\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.176 | 0.949 |
| fiso\_slf2\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.099 | 0.949 |
| fiso\_slf2\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.084 | 0.949 |
| fiso\_slf3\_l | PM2.5 | 0.013 | 0.050 | -0.086 | 0.112 | 0.794 | 0.964 |
| fiso\_slf3\_l | PM10 | 0.002 | 0.040 | -0.077 | 0.080 | 0.970 | 0.990 |
| fiso\_slf3\_l | NO2 | -0.006 | 0.020 | -0.046 | 0.033 | 0.759 | 0.963 |
| fiso\_slf3\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.450 | 0.956 |
| fiso\_slf3\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.259 | 0.949 |
| fiso\_slf3\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.177 | 0.949 |
| fiso\_str\_l | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.406 | 0.956 |
| fiso\_str\_l | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.293 | 0.956 |
| fiso\_str\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.112 | 0.949 |
| fiso\_str\_r | PM2.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.761 | 0.963 |
| fiso\_str\_r | PM10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.828 | 0.964 |
| fiso\_str\_r | NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.188 | 0.949 |
| fiso\_uf\_l | PM2.5 | 0.046 | 0.096 | -0.143 | 0.235 | 0.633 | 0.957 |
| fiso\_uf\_l | PM10 | 0.058 | 0.076 | -0.092 | 0.208 | 0.446 | 0.956 |
| fiso\_uf\_l | NO2 | 0.044 | 0.038 | -0.031 | 0.119 | 0.247 | 0.949 |
| fiso\_uf\_r | PM2.5 | -0.076 | 0.131 | -0.335 | 0.183 | 0.561 | 0.956 |
| fiso\_uf\_r | PM10 | -0.043 | 0.104 | -0.248 | 0.162 | 0.677 | 0.957 |
| fiso\_uf\_r | NO2 | 0.020 | 0.052 | -0.083 | 0.123 | 0.700 | 0.957 |
| fiso\_vof\_l | PM2.5 | 0.972 | 0.615 | -0.239 | 2.183 | 0.115 | 0.949 |
| fiso\_vof\_l | PM10 | 0.731 | 0.487 | -0.228 | 1.689 | 0.135 | 0.949 |
| fiso\_vof\_l | NO2 | 0.335 | 0.245 | -0.148 | 0.817 | 0.173 | 0.949 |
| fiso\_vof\_r | PM2.5 | 0.059 | 0.251 | -0.435 | 0.553 | 0.814 | 0.964 |
| fiso\_vof\_r | PM10 | 0.016 | 0.199 | -0.375 | 0.407 | 0.937 | 0.990 |
| fiso\_vof\_r | NO2 | -0.019 | 0.100 | -0.216 | 0.177 | 0.847 | 0.971 |
| MD\_ac | PM2.5 | 0.000 | 0.001 | -0.002 | 0.001 | 0.919 | 0.990 |
| MD\_ac | PM10 | 0.000 | 0.001 | -0.001 | 0.001 | 0.707 | 0.957 |
| MD\_ac | NO2 | 0.000 | 0.000 | -0.001 | 0.000 | 0.514 | 0.956 |
| MD\_af\_l | PM2.5 | -0.001 | 0.001 | -0.003 | 0.002 | 0.640 | 0.957 |
| MD\_af\_l | PM10 | -0.001 | 0.001 | -0.003 | 0.002 | 0.645 | 0.957 |
| MD\_af\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.581 | 0.956 |
| MD\_af\_r | PM2.5 | -0.001 | 0.001 | -0.004 | 0.002 | 0.444 | 0.956 |
| MD\_af\_r | PM10 | -0.001 | 0.001 | -0.003 | 0.001 | 0.262 | 0.949 |
| MD\_af\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.269 | 0.949 |
| MD\_ar\_l | PM2.5 | -0.001 | 0.001 | -0.003 | 0.001 | 0.352 | 0.956 |
| MD\_ar\_l | PM10 | -0.001 | 0.001 | -0.003 | 0.001 | 0.414 | 0.956 |
| MD\_ar\_l | NO2 | -0.001 | 0.001 | -0.001 | 0.000 | 0.273 | 0.949 |
| MD\_ar\_r | PM2.5 | -0.002 | 0.001 | -0.004 | 0.001 | 0.182 | 0.949 |
| MD\_ar\_r | PM10 | -0.001 | 0.001 | -0.003 | 0.000 | 0.123 | 0.949 |
| MD\_ar\_r | NO2 | -0.001 | 0.000 | -0.002 | 0.000 | 0.086 | 0.949 |
| MD\_atr\_l | PM2.5 | -0.001 | 0.001 | -0.003 | 0.002 | 0.666 | 0.957 |
| MD\_atr\_l | PM10 | -0.001 | 0.001 | -0.002 | 0.001 | 0.544 | 0.956 |
| MD\_atr\_l | NO2 | 0.000 | 0.000 | -0.001 | 0.001 | 0.566 | 0.956 |
| MD\_atr\_r | PM2.5 | 0.000 | 0.001 | -0.002 | 0.002 | 0.843 | 0.971 |
| MD\_atr\_r | PM10 | -0.001 | 0.001 | -0.002 | 0.001 | 0.542 | 0.956 |
| MD\_atr\_r | NO2 | 0.000 | 0.000 | -0.001 | 0.001 | 0.484 | 0.956 |
| MD\_cbd\_l | PM2.5 | -0.001 | 0.001 | -0.004 | 0.001 | 0.374 | 0.956 |
| MD\_cbd\_l | PM10 | -0.001 | 0.001 | -0.003 | 0.001 | 0.351 | 0.956 |
| MD\_cbd\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.593 | 0.956 |
| MD\_cbd\_r | PM2.5 | -0.001 | 0.001 | -0.004 | 0.002 | 0.491 | 0.956 |
| MD\_cbd\_r | PM10 | -0.001 | 0.001 | -0.003 | 0.001 | 0.303 | 0.956 |
| MD\_cbd\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.503 | 0.956 |
| MD\_cbp\_l | PM2.5 | -0.001 | 0.001 | -0.004 | 0.002 | 0.478 | 0.956 |
| MD\_cbp\_l | PM10 | -0.001 | 0.001 | -0.003 | 0.002 | 0.628 | 0.956 |
| MD\_cbp\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.700 | 0.957 |
| MD\_cbp\_r | PM2.5 | 0.000 | 0.001 | -0.003 | 0.002 | 0.806 | 0.964 |
| MD\_cbp\_r | PM10 | -0.001 | 0.001 | -0.003 | 0.002 | 0.663 | 0.957 |
| MD\_cbp\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.849 | 0.971 |
| MD\_cbt\_l | PM2.5 | 0.001 | 0.001 | -0.001 | 0.002 | 0.586 | 0.956 |
| MD\_cbt\_l | PM10 | 0.001 | 0.001 | -0.001 | 0.002 | 0.464 | 0.956 |
| MD\_cbt\_l | NO2 | 0.000 | 0.000 | 0.000 | 0.001 | 0.504 | 0.956 |
| MD\_cbt\_r | PM2.5 | -0.001 | 0.001 | -0.002 | 0.001 | 0.540 | 0.956 |
| MD\_cbt\_r | PM10 | 0.000 | 0.001 | -0.002 | 0.001 | 0.595 | 0.956 |
| MD\_cbt\_r | NO2 | 0.000 | 0.000 | -0.001 | 0.000 | 0.490 | 0.956 |
| MD\_cst\_l | PM2.5 | -0.001 | 0.001 | -0.003 | 0.002 | 0.441 | 0.956 |
| MD\_cst\_l | PM10 | -0.001 | 0.001 | -0.003 | 0.001 | 0.240 | 0.949 |
| MD\_cst\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.116 | 0.949 |
| MD\_cst\_r | PM2.5 | -0.001 | 0.001 | -0.003 | 0.002 | 0.554 | 0.956 |
| MD\_cst\_r | PM10 | -0.001 | 0.001 | -0.003 | 0.001 | 0.316 | 0.956 |
| MD\_cst\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.137 | 0.949 |
| MD\_fa\_l | PM2.5 | -0.002 | 0.002 | -0.005 | 0.002 | 0.339 | 0.956 |
| MD\_fa\_l | PM10 | -0.002 | 0.001 | -0.004 | 0.001 | 0.173 | 0.949 |
| MD\_fa\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.229 | 0.949 |
| MD\_fa\_r | PM2.5 | -0.002 | 0.002 | -0.005 | 0.001 | 0.304 | 0.956 |
| MD\_fa\_r | PM10 | -0.002 | 0.001 | -0.004 | 0.000 | 0.102 | 0.949 |
| MD\_fa\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.096 | 0.949 |
| MD\_fma | PM2.5 | 0.000 | 0.002 | -0.003 | 0.003 | 0.814 | 0.964 |
| MD\_fma | PM10 | -0.001 | 0.001 | -0.003 | 0.001 | 0.427 | 0.956 |
| MD\_fma | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.149 | 0.949 |
| MD\_fmi | PM2.5 | -0.001 | 0.002 | -0.005 | 0.003 | 0.732 | 0.963 |
| MD\_fmi | PM10 | -0.001 | 0.002 | -0.004 | 0.002 | 0.381 | 0.956 |
| MD\_fmi | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.787 | 0.963 |
| MD\_fx\_l | PM2.5 | 0.001 | 0.002 | -0.002 | 0.005 | 0.473 | 0.956 |
| MD\_fx\_l | PM10 | 0.000 | 0.002 | -0.003 | 0.003 | 0.989 | 0.996 |
| MD\_fx\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.385 | 0.956 |
| MD\_fx\_r | PM2.5 | 0.000 | 0.002 | -0.004 | 0.004 | 0.964 | 0.990 |
| MD\_fx\_r | PM10 | -0.001 | 0.001 | -0.004 | 0.002 | 0.587 | 0.956 |
| MD\_fx\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.217 | 0.949 |
| MD\_ifo\_l | PM2.5 | 0.001 | 0.002 | -0.002 | 0.004 | 0.586 | 0.956 |
| MD\_ifo\_l | PM10 | 0.000 | 0.001 | -0.003 | 0.003 | 0.940 | 0.990 |
| MD\_ifo\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.967 | 0.990 |
| MD\_ifo\_r | PM2.5 | 0.000 | 0.002 | -0.003 | 0.003 | 0.970 | 0.990 |
| MD\_ifo\_r | PM10 | -0.001 | 0.001 | -0.003 | 0.002 | 0.503 | 0.956 |
| MD\_ifo\_r | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.537 | 0.956 |
| MD\_ilf\_l | PM2.5 | 0.002 | 0.002 | -0.001 | 0.005 | 0.249 | 0.949 |
| MD\_ilf\_l | PM10 | 0.001 | 0.001 | -0.002 | 0.003 | 0.512 | 0.956 |
| MD\_ilf\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.698 | 0.957 |
| MD\_ilf\_r | PM2.5 | -0.001 | 0.002 | -0.004 | 0.002 | 0.581 | 0.956 |
| MD\_ilf\_r | PM10 | -0.001 | 0.001 | -0.003 | 0.001 | 0.347 | 0.956 |
| MD\_ilf\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.328 | 0.956 |
| MD\_mcp | PM2.5 | 0.001 | 0.001 | -0.002 | 0.003 | 0.534 | 0.956 |
| MD\_mcp | PM10 | 0.001 | 0.001 | -0.001 | 0.003 | 0.414 | 0.956 |
| MD\_mcp | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.970 | 0.990 |
| MD\_mdlf\_l | PM2.5 | 0.001 | 0.002 | -0.002 | 0.004 | 0.414 | 0.956 |
| MD\_mdlf\_l | PM10 | 0.001 | 0.001 | -0.002 | 0.003 | 0.680 | 0.957 |
| MD\_mdlf\_l | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.873 | 0.973 |
| MD\_mdlf\_r | PM2.5 | 0.001 | 0.002 | -0.003 | 0.004 | 0.725 | 0.961 |
| MD\_mdlf\_r | PM10 | 0.000 | 0.001 | -0.003 | 0.002 | 0.831 | 0.964 |
| MD\_mdlf\_r | NO2 | 0.000 | 0.001 | -0.001 | 0.001 | 0.679 | 0.957 |
| MD\_or\_l | PM2.5 | 0.002 | 0.002 | -0.002 | 0.005 | 0.398 | 0.956 |
| MD\_or\_l | PM10 | 0.000 | 0.001 | -0.003 | 0.003 | 0.858 | 0.973 |
| MD\_or\_l | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.729 | 0.961 |
| MD\_or\_r | PM2.5 | 0.000 | 0.002 | -0.003 | 0.004 | 0.808 | 0.964 |
| MD\_or\_r | PM10 | -0.001 | 0.001 | -0.003 | 0.002 | 0.678 | 0.957 |
| MD\_or\_r | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.567 | 0.956 |
| MD\_slf1\_l | PM2.5 | -0.001 | 0.001 | -0.004 | 0.001 | 0.328 | 0.956 |
| MD\_slf1\_l | PM10 | -0.002 | 0.001 | -0.004 | 0.001 | 0.153 | 0.949 |
| MD\_slf1\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.059 | 0.949 |
| MD\_slf1\_r | PM2.5 | -0.002 | 0.001 | -0.004 | 0.001 | 0.257 | 0.949 |
| MD\_slf1\_r | PM10 | -0.002 | 0.001 | -0.004 | 0.000 | 0.080 | 0.949 |
| MD\_slf1\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.056 | 0.949 |
| MD\_slf2\_l | PM2.5 | 0.000 | 0.002 | -0.004 | 0.003 | 0.812 | 0.964 |
| MD\_slf2\_l | PM10 | -0.001 | 0.001 | -0.004 | 0.002 | 0.520 | 0.956 |
| MD\_slf2\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.430 | 0.956 |
| MD\_slf2\_r | PM2.5 | -0.001 | 0.002 | -0.004 | 0.002 | 0.525 | 0.956 |
| MD\_slf2\_r | PM10 | -0.002 | 0.001 | -0.004 | 0.001 | 0.235 | 0.949 |
| MD\_slf2\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.268 | 0.949 |
| MD\_slf3\_l | PM2.5 | -0.001 | 0.002 | -0.004 | 0.002 | 0.530 | 0.956 |
| MD\_slf3\_l | PM10 | -0.001 | 0.001 | -0.003 | 0.001 | 0.413 | 0.956 |
| MD\_slf3\_l | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.544 | 0.956 |
| MD\_slf3\_r | PM2.5 | -0.001 | 0.002 | -0.004 | 0.002 | 0.330 | 0.956 |
| MD\_slf3\_r | PM10 | -0.002 | 0.001 | -0.004 | 0.001 | 0.154 | 0.949 |
| MD\_slf3\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.227 | 0.949 |
| MD\_str\_l | PM2.5 | -0.001 | 0.001 | -0.003 | 0.000 | 0.123 | 0.949 |
| MD\_str\_l | PM10 | -0.001 | 0.001 | -0.002 | 0.000 | 0.121 | 0.949 |
| MD\_str\_l | NO2 | -0.001 | 0.000 | -0.001 | 0.000 | 0.146 | 0.949 |
| MD\_str\_r | PM2.5 | -0.001 | 0.001 | -0.002 | 0.001 | 0.342 | 0.956 |
| MD\_str\_r | PM10 | -0.001 | 0.001 | -0.002 | 0.001 | 0.261 | 0.949 |
| MD\_str\_r | NO2 | 0.000 | 0.000 | -0.001 | 0.000 | 0.210 | 0.949 |
| MD\_uf\_l | PM2.5 | -0.001 | 0.002 | -0.004 | 0.002 | 0.507 | 0.956 |
| MD\_uf\_l | PM10 | -0.001 | 0.001 | -0.003 | 0.001 | 0.305 | 0.956 |
| MD\_uf\_l | NO2 | 0.000 | 0.001 | -0.002 | 0.001 | 0.563 | 0.956 |
| MD\_uf\_r | PM2.5 | -0.001 | 0.001 | -0.004 | 0.002 | 0.405 | 0.956 |
| MD\_uf\_r | PM10 | -0.001 | 0.001 | -0.004 | 0.001 | 0.196 | 0.949 |
| MD\_uf\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.001 | 0.285 | 0.956 |
| MD\_vof\_l | PM2.5 | 0.000 | 0.001 | -0.003 | 0.003 | 0.864 | 0.973 |
| MD\_vof\_l | PM10 | -0.001 | 0.001 | -0.003 | 0.001 | 0.483 | 0.956 |
| MD\_vof\_l | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.197 | 0.949 |
| MD\_vof\_r | PM2.5 | -0.001 | 0.001 | -0.004 | 0.001 | 0.339 | 0.956 |
| MD\_vof\_r | PM10 | -0.002 | 0.001 | -0.004 | 0.001 | 0.128 | 0.949 |
| MD\_vof\_r | NO2 | -0.001 | 0.001 | -0.002 | 0.000 | 0.067 | 0.949 |
| OD\_ac | PM2.5 | -0.416 | 0.442 | -1.286 | 0.455 | 0.348 | 0.956 |
| OD\_ac | PM10 | -0.388 | 0.349 | -1.076 | 0.300 | 0.268 | 0.949 |
| OD\_ac | NO2 | -0.170 | 0.176 | -0.516 | 0.176 | 0.335 | 0.956 |
| OD\_af\_l | PM2.5 | 0.492 | 0.528 | -0.549 | 1.533 | 0.352 | 0.956 |
| OD\_af\_l | PM10 | 0.187 | 0.419 | -0.638 | 1.011 | 0.656 | 0.957 |
| OD\_af\_l | NO2 | 0.063 | 0.211 | -0.352 | 0.478 | 0.764 | 0.963 |
| OD\_af\_r | PM2.5 | 0.727 | 0.519 | -0.296 | 1.750 | 0.163 | 0.949 |
| OD\_af\_r | PM10 | 0.540 | 0.411 | -0.270 | 1.349 | 0.190 | 0.949 |
| OD\_af\_r | NO2 | 0.194 | 0.207 | -0.214 | 0.602 | 0.350 | 0.956 |
| OD\_ar\_l | PM2.5 | 0.703 | 0.493 | -0.267 | 1.674 | 0.155 | 0.949 |
| OD\_ar\_l | PM10 | 0.440 | 0.390 | -0.329 | 1.209 | 0.261 | 0.949 |
| OD\_ar\_l | NO2 | 0.219 | 0.196 | -0.168 | 0.606 | 0.266 | 0.949 |
| OD\_ar\_r | PM2.5 | 0.432 | 0.448 | -0.451 | 1.315 | 0.336 | 0.956 |
| OD\_ar\_r | PM10 | 0.171 | 0.355 | -0.528 | 0.871 | 0.630 | 0.956 |
| OD\_ar\_r | NO2 | 0.095 | 0.179 | -0.257 | 0.446 | 0.597 | 0.956 |
| OD\_atr\_l | PM2.5 | 0.307 | 0.521 | -0.719 | 1.333 | 0.556 | 0.956 |
| OD\_atr\_l | PM10 | 0.354 | 0.412 | -0.457 | 1.165 | 0.391 | 0.956 |
| OD\_atr\_l | NO2 | 0.142 | 0.207 | -0.266 | 0.550 | 0.494 | 0.956 |
| OD\_atr\_r | PM2.5 | 0.206 | 0.551 | -0.881 | 1.292 | 0.710 | 0.957 |
| OD\_atr\_r | PM10 | 0.373 | 0.436 | -0.486 | 1.231 | 0.393 | 0.956 |
| OD\_atr\_r | NO2 | 0.062 | 0.219 | -0.371 | 0.494 | 0.779 | 0.963 |
| OD\_cbd\_l | PM2.5 | 0.306 | 0.555 | -0.787 | 1.399 | 0.581 | 0.956 |
| OD\_cbd\_l | PM10 | 0.102 | 0.439 | -0.763 | 0.967 | 0.816 | 0.964 |
| OD\_cbd\_l | NO2 | -0.048 | 0.221 | -0.483 | 0.387 | 0.828 | 0.964 |
| OD\_cbd\_r | PM2.5 | -0.166 | 0.562 | -1.274 | 0.942 | 0.768 | 0.963 |
| OD\_cbd\_r | PM10 | -0.073 | 0.445 | -0.950 | 0.803 | 0.869 | 0.973 |
| OD\_cbd\_r | NO2 | -0.223 | 0.223 | -0.663 | 0.217 | 0.319 | 0.956 |
| OD\_cbp\_l | PM2.5 | 0.586 | 0.787 | -0.965 | 2.137 | 0.457 | 0.956 |
| OD\_cbp\_l | PM10 | 0.279 | 0.623 | -0.949 | 1.506 | 0.655 | 0.957 |
| OD\_cbp\_l | NO2 | 0.226 | 0.313 | -0.391 | 0.843 | 0.472 | 0.956 |
| OD\_cbp\_r | PM2.5 | -1.078 | 0.965 | -2.978 | 0.822 | 0.265 | 0.949 |
| OD\_cbp\_r | PM10 | -0.642 | 0.764 | -2.146 | 0.863 | 0.402 | 0.956 |
| OD\_cbp\_r | NO2 | -0.509 | 0.383 | -1.264 | 0.246 | 0.185 | 0.949 |
| OD\_cbt\_l | PM2.5 | 0.555 | 0.499 | -0.428 | 1.538 | 0.267 | 0.949 |
| OD\_cbt\_l | PM10 | 0.194 | 0.396 | -0.585 | 0.973 | 0.624 | 0.956 |
| OD\_cbt\_l | NO2 | -0.171 | 0.199 | -0.562 | 0.221 | 0.391 | 0.956 |
| OD\_cbt\_r | PM2.5 | 0.212 | 0.546 | -0.864 | 1.287 | 0.698 | 0.957 |
| OD\_cbt\_r | PM10 | -0.066 | 0.432 | -0.917 | 0.785 | 0.878 | 0.973 |
| OD\_cbt\_r | NO2 | -0.191 | 0.217 | -0.619 | 0.236 | 0.379 | 0.956 |
| OD\_cst\_l | PM2.5 | 0.625 | 0.460 | -0.280 | 1.531 | 0.175 | 0.949 |
| OD\_cst\_l | PM10 | 0.559 | 0.363 | -0.156 | 1.275 | 0.125 | 0.949 |
| OD\_cst\_l | NO2 | 0.271 | 0.183 | -0.089 | 0.631 | 0.140 | 0.949 |
| OD\_cst\_r | PM2.5 | 0.694 | 0.451 | -0.194 | 1.581 | 0.125 | 0.949 |
| OD\_cst\_r | PM10 | 0.598 | 0.356 | -0.103 | 1.299 | 0.094 | 0.949 |
| OD\_cst\_r | NO2 | 0.264 | 0.179 | -0.089 | 0.617 | 0.142 | 0.949 |
| OD\_fa\_l | PM2.5 | 0.726 | 0.656 | -0.566 | 2.018 | 0.270 | 0.949 |
| OD\_fa\_l | PM10 | 0.455 | 0.519 | -0.568 | 1.478 | 0.382 | 0.956 |
| OD\_fa\_l | NO2 | 0.072 | 0.262 | -0.443 | 0.587 | 0.784 | 0.963 |
| OD\_fa\_r | PM2.5 | 0.189 | 0.618 | -1.028 | 1.407 | 0.760 | 0.963 |
| OD\_fa\_r | PM10 | 0.214 | 0.489 | -0.749 | 1.177 | 0.662 | 0.957 |
| OD\_fa\_r | NO2 | -0.029 | 0.246 | -0.513 | 0.456 | 0.907 | 0.990 |
| OD\_fma | PM2.5 | 0.374 | 0.710 | -1.025 | 1.772 | 0.599 | 0.956 |
| OD\_fma | PM10 | 0.280 | 0.562 | -0.826 | 1.387 | 0.618 | 0.956 |
| OD\_fma | NO2 | 0.162 | 0.282 | -0.395 | 0.718 | 0.567 | 0.956 |
| OD\_fmi | PM2.5 | 0.369 | 0.661 | -0.933 | 1.671 | 0.577 | 0.956 |
| OD\_fmi | PM10 | 0.551 | 0.522 | -0.477 | 1.579 | 0.292 | 0.956 |
| OD\_fmi | NO2 | 0.084 | 0.263 | -0.434 | 0.602 | 0.751 | 0.963 |
| OD\_fx\_l | PM2.5 | 0.153 | 0.469 | -0.770 | 1.076 | 0.744 | 0.963 |
| OD\_fx\_l | PM10 | 0.235 | 0.370 | -0.495 | 0.965 | 0.526 | 0.956 |
| OD\_fx\_l | NO2 | 0.100 | 0.186 | -0.267 | 0.467 | 0.593 | 0.956 |
| OD\_fx\_r | PM2.5 | 0.193 | 0.475 | -0.744 | 1.129 | 0.685 | 0.957 |
| OD\_fx\_r | PM10 | 0.321 | 0.376 | -0.419 | 1.061 | 0.393 | 0.956 |
| OD\_fx\_r | NO2 | 0.092 | 0.189 | -0.280 | 0.465 | 0.626 | 0.956 |
| OD\_ifo\_l | PM2.5 | 0.284 | 0.456 | -0.615 | 1.183 | 0.534 | 0.956 |
| OD\_ifo\_l | PM10 | 0.191 | 0.361 | -0.520 | 0.902 | 0.597 | 0.956 |
| OD\_ifo\_l | NO2 | 0.095 | 0.182 | -0.263 | 0.453 | 0.602 | 0.956 |
| OD\_ifo\_r | PM2.5 | 0.210 | 0.488 | -0.751 | 1.172 | 0.667 | 0.957 |
| OD\_ifo\_r | PM10 | 0.378 | 0.386 | -0.381 | 1.138 | 0.327 | 0.956 |
| OD\_ifo\_r | NO2 | 0.192 | 0.194 | -0.190 | 0.574 | 0.324 | 0.956 |
| OD\_ilf\_l | PM2.5 | -0.290 | 0.673 | -1.615 | 1.035 | 0.667 | 0.957 |
| OD\_ilf\_l | PM10 | -0.315 | 0.532 | -1.363 | 0.733 | 0.555 | 0.956 |
| OD\_ilf\_l | NO2 | -0.115 | 0.268 | -0.642 | 0.412 | 0.668 | 0.957 |
| OD\_ilf\_r | PM2.5 | 0.489 | 0.626 | -0.745 | 1.723 | 0.436 | 0.956 |
| OD\_ilf\_r | PM10 | 0.599 | 0.495 | -0.376 | 1.573 | 0.227 | 0.949 |
| OD\_ilf\_r | NO2 | 0.135 | 0.249 | -0.357 | 0.626 | 0.590 | 0.956 |
| OD\_mcp | PM2.5 | 0.089 | 0.559 | -1.013 | 1.191 | 0.874 | 0.973 |
| OD\_mcp | PM10 | -0.168 | 0.442 | -1.039 | 0.704 | 0.705 | 0.957 |
| OD\_mcp | NO2 | -0.363 | 0.221 | -0.799 | 0.073 | 0.103 | 0.949 |
| OD\_mdlf\_l | PM2.5 | -0.027 | 0.511 | -1.034 | 0.980 | 0.958 | 0.990 |
| OD\_mdlf\_l | PM10 | -0.195 | 0.404 | -0.991 | 0.601 | 0.629 | 0.956 |
| OD\_mdlf\_l | NO2 | -0.021 | 0.203 | -0.421 | 0.380 | 0.918 | 0.990 |
| OD\_mdlf\_r | PM2.5 | -0.211 | 0.494 | -1.184 | 0.762 | 0.670 | 0.957 |
| OD\_mdlf\_r | PM10 | -0.062 | 0.391 | -0.833 | 0.708 | 0.873 | 0.973 |
| OD\_mdlf\_r | NO2 | 0.065 | 0.197 | -0.323 | 0.452 | 0.743 | 0.963 |
| OD\_or\_l | PM2.5 | -0.178 | 0.491 | -1.146 | 0.789 | 0.717 | 0.958 |
| OD\_or\_l | PM10 | -0.292 | 0.388 | -1.057 | 0.472 | 0.452 | 0.956 |
| OD\_or\_l | NO2 | -0.063 | 0.195 | -0.448 | 0.321 | 0.746 | 0.963 |
| OD\_or\_r | PM2.5 | -0.210 | 0.465 | -1.127 | 0.706 | 0.652 | 0.957 |
| OD\_or\_r | PM10 | -0.030 | 0.368 | -0.756 | 0.695 | 0.935 | 0.990 |
| OD\_or\_r | NO2 | 0.065 | 0.185 | -0.300 | 0.429 | 0.727 | 0.961 |
| OD\_slf1\_l | PM2.5 | 1.302 | 0.562 | 0.194 | 2.409 | 0.021 | 0.949 |
| OD\_slf1\_l | PM10 | 0.900 | 0.446 | 0.022 | 1.779 | 0.045 | 0.949 |
| OD\_slf1\_l | NO2 | 0.331 | 0.225 | -0.113 | 0.774 | 0.143 | 0.949 |
| OD\_slf1\_r | PM2.5 | 0.939 | 0.544 | -0.134 | 2.011 | 0.086 | 0.949 |
| OD\_slf1\_r | PM10 | 0.828 | 0.430 | -0.019 | 1.675 | 0.055 | 0.949 |
| OD\_slf1\_r | NO2 | 0.277 | 0.217 | -0.151 | 0.705 | 0.203 | 0.949 |
| OD\_slf2\_l | PM2.5 | 0.039 | 0.568 | -1.080 | 1.159 | 0.945 | 0.990 |
| OD\_slf2\_l | PM10 | -0.037 | 0.450 | -0.922 | 0.849 | 0.935 | 0.990 |
| OD\_slf2\_l | NO2 | 0.003 | 0.226 | -0.442 | 0.449 | 0.988 | 0.996 |
| OD\_slf2\_r | PM2.5 | 0.292 | 0.525 | -0.743 | 1.327 | 0.579 | 0.956 |
| OD\_slf2\_r | PM10 | 0.211 | 0.416 | -0.608 | 1.030 | 0.613 | 0.956 |
| OD\_slf2\_r | NO2 | 0.019 | 0.209 | -0.393 | 0.431 | 0.928 | 0.990 |
| OD\_slf3\_l | PM2.5 | 0.386 | 0.610 | -0.817 | 1.588 | 0.528 | 0.956 |
| OD\_slf3\_l | PM10 | 0.033 | 0.483 | -0.919 | 0.985 | 0.945 | 0.990 |
| OD\_slf3\_l | NO2 | -0.061 | 0.243 | -0.540 | 0.418 | 0.802 | 0.964 |
| OD\_slf3\_r | PM2.5 | 0.678 | 0.603 | -0.510 | 1.865 | 0.262 | 0.949 |
| OD\_slf3\_r | PM10 | 0.492 | 0.477 | -0.448 | 1.432 | 0.303 | 0.956 |
| OD\_slf3\_r | NO2 | 0.127 | 0.240 | -0.347 | 0.600 | 0.599 | 0.956 |
| OD\_str\_l | PM2.5 | 0.942 | 0.417 | 0.119 | 1.764 | 0.025 | 0.949 |
| OD\_str\_l | PM10 | 0.801 | 0.330 | 0.151 | 1.450 | 0.016 | 0.949 |
| OD\_str\_l | NO2 | 0.294 | 0.167 | -0.034 | 0.623 | 0.079 | 0.949 |
| OD\_str\_r | PM2.5 | 0.765 | 0.411 | -0.045 | 1.575 | 0.064 | 0.949 |
| OD\_str\_r | PM10 | 0.608 | 0.325 | -0.033 | 1.249 | 0.063 | 0.949 |
| OD\_str\_r | NO2 | 0.135 | 0.165 | -0.190 | 0.459 | 0.414 | 0.956 |
| OD\_uf\_l | PM2.5 | 0.726 | 0.510 | -0.280 | 1.731 | 0.156 | 0.949 |
| OD\_uf\_l | PM10 | 0.646 | 0.403 | -0.149 | 1.440 | 0.111 | 0.949 |
| OD\_uf\_l | NO2 | 0.265 | 0.203 | -0.135 | 0.665 | 0.194 | 0.949 |
| OD\_uf\_r | PM2.5 | 0.515 | 0.564 | -0.595 | 1.626 | 0.361 | 0.956 |
| OD\_uf\_r | PM10 | 0.582 | 0.445 | -0.294 | 1.459 | 0.192 | 0.949 |
| OD\_uf\_r | NO2 | 0.162 | 0.224 | -0.280 | 0.604 | 0.471 | 0.956 |
| OD\_vof\_l | PM2.5 | 1.614 | 0.738 | 0.160 | 3.067 | 0.030 | 0.949 |
| OD\_vof\_l | PM10 | 1.013 | 0.586 | -0.142 | 2.167 | 0.085 | 0.949 |
| OD\_vof\_l | NO2 | 0.414 | 0.295 | -0.167 | 0.996 | 0.162 | 0.949 |
| OD\_vof\_r | PM2.5 | 0.989 | 0.743 | -0.474 | 2.451 | 0.184 | 0.949 |
| OD\_vof\_r | PM10 | 0.829 | 0.587 | -0.328 | 1.985 | 0.159 | 0.949 |
| OD\_vof\_r | NO2 | 0.317 | 0.296 | -0.266 | 0.900 | 0.285 | 0.956 |