

Supplemental Tables:

Supplemental Table 1: Pearson correlation coefficients for individual maternal persistent organic pollutant levels among controls (N=778). Shading scale represents low to high (yellow to green) correlation

| | p,p'-DDE | Total PCBs | PCB 74 | PCB 99 | PCB 118 | PCB 153 | PCB 138 | PCB 156 | PCB 187 | PCB 183 | PCB 180 | PCB 170 |
|-------------------|-----------------|-------------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| p,p'-DDE | 1.00 | 0.40 | 0.48 | 0.64 | 0.53 | 0.39 | 0.45 | 0.40 | 0.30 | 0.36 | 0.25 | 0.25 |
| Total PCBs | 0.40 | 1.00 | 0.74 | 0.75 | 0.82 | 0.99 | 0.98 | 0.97 | 0.96 | 0.97 | 0.95 | 0.95 |
| PCB 74 | 0.48 | 0.74 | 1.00 | 0.76 | 0.82 | 0.70 | 0.74 | 0.73 | 0.64 | 0.67 | 0.62 | 0.63 |
| PCB 99 | 0.64 | 0.75 | 0.76 | 1.00 | 0.89 | 0.74 | 0.81 | 0.76 | 0.61 | 0.68 | 0.56 | 0.57 |
| PCB 118 | 0.53 | 0.82 | 0.82 | 0.89 | 1.00 | 0.79 | 0.84 | 0.80 | 0.71 | 0.75 | 0.66 | 0.66 |
| PCB 153 | 0.39 | 0.99 | 0.70 | 0.74 | 0.79 | 1.00 | 0.98 | 0.96 | 0.97 | 0.97 | 0.94 | 0.94 |
| PCB 138 | 0.45 | 0.98 | 0.74 | 0.81 | 0.84 | 0.98 | 1.00 | 0.94 | 0.94 | 0.97 | 0.89 | 0.90 |
| PCB 156 | 0.40 | 0.97 | 0.73 | 0.76 | 0.80 | 0.96 | 0.94 | 1.00 | 0.91 | 0.89 | 0.93 | 0.93 |
| PCB 187 | 0.30 | 0.96 | 0.64 | 0.61 | 0.71 | 0.97 | 0.94 | 0.91 | 1.00 | 0.96 | 0.95 | 0.94 |
| PCB 183 | 0.36 | 0.97 | 0.67 | 0.68 | 0.75 | 0.97 | 0.97 | 0.89 | 0.96 | 1.00 | 0.91 | 0.92 |
| PCB 180 | 0.25 | 0.95 | 0.62 | 0.56 | 0.66 | 0.94 | 0.89 | 0.93 | 0.95 | 0.91 | 1.00 | 0.99 |
| PCB 170 | 0.25 | 0.95 | 0.63 | 0.57 | 0.66 | 0.94 | 0.90 | 0.93 | 0.94 | 0.92 | 0.99 | 1.00 |

Supplemental Table 2: Comparison of demographic, clinical, and other characteristics between study subjects not selected vs. selected for inclusion in the study

| Characteristic | Not Included | Included | Chi squared P-Value |
|---|-------------------|-------------------|-----------------------|
| | (N=4091) N (%) | (N=1556) N (%) | |
| Birth year | | | <0.0001 |
| 1987-1990 | 623 (15.2) | 136 (8.7) | |
| 1991-1993 | 1076 (26.3) | 418 (26.9) | |
| 1994-1996 | 1012 (24.7) | 416 (26.7) | |
| 1997-2005 | 1380 (33.7) | 586 (37.7) | |
| Maternal age | | | 0.53 |
| ≤19 | 88 (2.2) | 30 (1.9) | |
| 20-24 | 602 (14.7) | 241 (15.5) | |
| 25-29 | 1404 (34.3) | 511 (32.8) | |
| 30-34 | 1253 (30.6) | 461 (29.6) | |
| 35-39 | 616 (15.1) | 257 (16.5) | |
| 40+ | 128 (3.1) | 56 (3.6) | |
| Sex | | | 0.21 |
| Male | 3249 (79.4) | 1212 (77.9) | |
| Female | 842 (20.6) | 344 (22.1) | |
| Parity | | | 0.15 |
| 0 | 1242 (30.5) | 443 (28.6) | |
| 1 | 1214 (29.8) | 507 (32.7) | |
| 2 | 806 (19.8) | 311 (20.1) | |
| 3+ | 808 (19.9) | 289 (18.7) | |
| Maternal socioeconomic status | | | 0.93 |
| Upper white collar workers | 487 (15.2) | 195 (15) | |
| Lower white collar workers | 1450 (45.2) | 589 (45.3) | |
| Blue collar workers | 676 (21.1) | 265 (20.4) | |
| Others | 595 (18.6) | 250 (19.3) | |
| Maternal psychiatric history¹ | | | 0.01 |
| No | 3645 (89.1) | 1349 (86.7) | |
| Yes | 446 (10.9) | 207 (13.3) | |
| Parental psychiatric history¹ | | | 0.04 |
| No | 3281 (80.2) | 1210 (77.8) | |
| Yes | 810 (19.8) | 346 (22.2) | |
| | Mean (SD) | Mean (SD) | t-test P-value |
| Gestational age at blood draw | 11.1 (3.5) | 10.9 (3.4) | 0.24 |
| Maternal age | 29.5 (5.3) | 297 (5.3) | 0.27 |

¹ See definition in Table 1