## Table 1: Maternal Cortisol and Child EED Biomarkers

| Maternal Cortisol and EED | Outcome | N | 25th Percentile | 75th Percentile | Outcome, 75th Percentile v. 25th Percentile | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | Adjusted | | | |
|  |  |  |  |  | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-value |
| Ln Cortisol (ug/dL) | Ln Lactulose Age 3 months (mmol/L) | 290 | 2.66 | 3.29 | -1.14 | -0.85 | 0.28 (0, 0.56) | 0.05 |
|  | Ln Mannitol Age 3 months (mmol/L) | 291 | 2.66 | 3.29 | 1.00 | 1.13 | 0.13 (-0.02, 0.29) | 0.1 |
|  | Ln MPO Age 3 months (ng/mL) | 235 | 2.62 | 3.29 | 9.13 | 9.07 | -0.06 (-0.28, 0.16) | 0.6 |
|  | Ln AAT Age 3 months(mg/g) | 282 | 2.62 | 3.29 | -0.74 | -0.74 | -0.01 (-0.21, 0.2) | 0.96 |
|  | Ln NEO Age 3 months (nmol/L) | 236 | 2.62 | 3.29 | 6.90 | 6.95 | 0.05 (-0.09, 0.19) | 0.5 |
|  | Ln Lactulose Age 14 months (mmol/L) | 487 | 2.52 | 3.26 | -1.25 | -1.35 | -0.11 (-0.27, 0.05) | 0.19 |
|  | Ln Mannitol Age 14 months (mmol/L) | 484 | 2.51 | 3.26 | 0.67 | 0.66 | -0.01 (-0.17, 0.15) | 0.91 |
|  | Ln MPO Age 14 months (ng/mL) | 497 | 2.49 | 3.26 | 8.58 | 8.51 | -0.07 (-0.22, 0.07) | 0.34 |
|  | Ln AAT Age 14 months(mg/g) | 503 | 2.50 | 3.26 | -0.62 | -0.79 | -0.17 (-0.32, -0.01) | 0.03 |
|  | Ln NEO Age 14 months (nmol/L) | 443 | 2.50 | 3.26 | 6.88 | 6.83 | -0.04 (-0.18, 0.09) | 0.53 |
|  | Ln REG1β Age 14 months (µg/mL) | 441 | 2.49 | 3.26 | 5.03 | 5.09 | 0.06 (-0.1, 0.21) | 0.49 |
|  | Ln Lactulose 28 months (mmol/L) | 520 | 2.52 | 3.27 | -1.23 | -1.28 | -0.05 (-0.21, 0.11) | 0.55 |
|  | Ln Mannitol Age 28 months (mmol/L) | 521 | 2.52 | 3.27 | 1.30 | 1.29 | -0.01 (-0.14, 0.12) | 0.92 |
|  | Ln MPO Age 28 months (ng/mL) | 522 | 2.53 | 3.27 | 8.17 | 8.23 | 0.05 (-0.14, 0.25) | 0.61 |
|  | Ln AAT Age 28 months(mg/g) | 525 | 2.53 | 3.27 | -0.92 | -0.94 | -0.02 (-0.22, 0.19) | 0.89 |
|  | Ln NEO Age 28 months (nmol/L) | 527 | 2.53 | 3.27 | 5.97 | 5.86 | -0.1 (-0.27, 0.06) | 0.23 |
| N, 25th Percentile, and 75th Percentile are from the adjusted analyses | | | | | | | | |
| \* P-value < 0.2 after adjusting for multiple comparisons using the Benjamini-Hochberg procedure | | | | | | | | |

## Table 3: Maternal Estriol and Child EED Biomarkers

| Maternal Estriol and EED | Outcome | N | 25th Percentile | 75th Percentile | Outcome, 75th Percentile v. 25th Percentile | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | Adjusted | | | |
|  |  |  |  |  | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-value |
| Ln Estriol (ng/mL) | Ln Lactulose Age 3 months (mmol/L) | 290 | 1.04 | 1.81 | -1.06 | -0.99 | 0.07 (0.01, 0.14) | 0.01\* |
|  | Ln Mannitol Age 3 months (mmol/L) | 290 | 1.04 | 1.81 | 1.05 | 1.16 | 0.11 (-0.05, 0.26) | 0.19 |
|  | Ln MPO Age 3 months (ng/mL) | 234 | 0.96 | 1.74 | 8.95 | 8.94 | -0.01 (-0.16, 0.13) | 0.88 |
|  | Ln AAT Age 3 months(mg/g) | 235 | 0.96 | 1.75 | -0.45 | -0.27 | 0.18 (-0.12, 0.48) | 0.25 |
|  | Ln NEO Age 3 months (nmol/L) | 235 | 0.96 | 1.75 | 6.65 | 6.78 | 0.13 (0.03, 0.24) | 0.01\* |
|  | Ln Lactulose Age 14 months (mmol/L) | 485 | 0.73 | 1.71 | -1.10 | -1.23 | -0.12 (-0.24, 0) | 0.05\* |
|  | Ln Mannitol Age 14 months (mmol/L) | 482 | 0.73 | 1.71 | 1.02 | 0.93 | -0.09 (-0.21, 0.03) | 0.13 |
|  | Ln MPO Age 14 months (ng/mL) | 440 | 0.82 | 1.71 | 8.63 | 8.55 | -0.08 (-0.27, 0.11) | 0.41 |
|  | Ln AAT Age 14 months(mg/g) | 497 | 0.75 | 1.71 | -0.73 | -0.76 | -0.03 (-0.13, 0.06) | 0.51 |
|  | Ln NEO Age 14 months (nmol/L) | 442 | 0.82 | 1.71 | 6.86 | 6.75 | -0.11 (-0.22, -0.01) | 0.04\* |
|  | Ln REG1β Age 14 months (µg/mL) | 441 | 0.82 | 1.71 | 5.04 | 5.05 | 0.01 (-0.11, 0.14) | 0.86 |
|  | Ln Lactulose 28 months (mmol/L) | 520 | 0.78 | 1.73 | -1.31 | -1.25 | 0.06 (-0.09, 0.21) | 0.41 |
|  | Ln Mannitol Age 28 months (mmol/L) | 520 | 0.78 | 1.73 | 1.41 | 1.39 | -0.02 (-0.29, 0.24) | 0.89 |
|  | Ln MPO Age 28 months (ng/mL) | 522 | 0.78 | 1.73 | 8.08 | 8.19 | 0.11 (-0.08, 0.3) | 0.27 |
|  | Ln AAT Age 28 months(mg/g) | 525 | 0.79 | 1.73 | -0.80 | -0.87 | -0.06 (-0.19, 0.06) | 0.31 |
|  | Ln NEO Age 28 months (nmol/L) | 526 | 0.79 | 1.73 | 5.85 | 5.76 | -0.08 (-0.39, 0.23) | 0.61 |
| N, 25th Percentile, and 75th Percentile are from the adjusted analyses | | | | | | | | |
| \* P-value < 0.2 after adjusting for multiple comparisons using the Benjamini-Hochberg procedure | | | | | | | | |