## Table 2

| Urinary oxidative stress biomarker | 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 | FDR Corrected P-value |
| Maternal Exposure to IPV at any time | IPF(2a)-III | 584 | 0 | 1 | -0.54 | -0.62 | -0.08 (-0.17, 0.01) | 0.10 | 0.17 |
|  | 2,3-dinor-iPF(a2)-III | 580 | 0 | 1 | 1.70 | 1.66 | -0.04 (-0.09, 0.01) | 0.13 | 0.17 |
|  | iPF(2a)-VI | 584 | 0 | 1 | 2.54 | 2.49 | -0.04 (-0.11, 0.03) | 0.28 | 0.28 |
|  | 8,12-iso-iPF(2a)-VI | 582 | 0 | 1 | 2.42 | 2.33 | -0.1 (-0.19, -0.01) | 0.03 | 0.11 |
|  | Compiled F2-isoprostanes Score | 582 | 0 | 1 | 2.91 | 2.78 | -0.13 (-0.25, 0) | 0.04 | 0.11 |
|  | Pre to post-stress change in slope of sAA | 668 | 0 | 1 | -2.87 | -2.28 | 0.59 (-0.32, 1.51) | 0.20 | 0.82 |
|  | Pre-Stressor SAA | 712 | 0 | 1 | 3.94 | 3.98 | 0.04 (-0.09, 0.17) | 0.54 | 0.86 |
|  | Post-Stressor SAA | 686 | 0 | 1 | 4.60 | 4.58 | -0.02 (-0.16, 0.12) | 0.80 | 0.99 |
|  | Change in Slope of Cortisol | 659 | 0 | 1 | -0.01 | -0.01 | 0 (0, 0) | 0.99 | 0.99 |
|  | Pre-Stressor Cortisol | 720 | 0 | 1 | -1.92 | -2.00 | -0.08 (-0.19, 0.02) | 0.12 | 0.74 |
|  | Post-Stressor Cortisol | 665 | 0 | 1 | -1.11 | -1.23 | -0.12 (-0.26, 0.03) | 0.12 | 0.74 |
|  | Mean Arterial Perssure | 1,451 | 0 | 1 | 65.28 | 65.50 | 0.21 (-0.5, 0.93) | 0.57 | 0.86 |
|  | Resting Heart Rate | 1,445 | 0 | 1 | 109.68 | 110.32 | 0.64 (-1.07, 2.35) | 0.47 | 0.86 |
|  | Entire promoter region (39 assayed CpG sites) | 717 | 0 | 1 | 0.38 | 0.40 | 0.02 (-0.02, 0.07) | 0.37 | 0.86 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 405 | 0 | 1 | -4.44 | -4.44 | 0 (-0.08, 0.09) | 0.97 | 0.99 |
| N, 25th Percentile, and 75th Percentile are from the adjusted analyses | | | | | | | | | |

## Table 3

| Salivary stress biomarker | 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 | FDR Corrected P-value |
| Maternal Percieved Stress | Pre to post-stress change in slope of sAA | 670 | 10.25 | 18 | -2.28 | -2.8 | -0.54 (-1.2, 0.12) | 0.11 | 0.32 |
|  | Pre-Stressor SAA | 714 | 10 | 18 | 3.85 | 4.01 | 0.15 (-0.03, 0.34) | 0.1 | 0.32 |
|  | Post-Stressor SAA | 688 | 10 | 18 | 4.49 | 4.63 | 0.13 (0.03, 0.23) | 0.01 | 0.17 |
|  | Change in Slope of Cortisol | 661 | 10 | 18 | -0.01 | -0.01 | 0 (0, 0) | 0.59 | 0.74 |
|  | Pre-Stressor Cortisol | 722 | 10 | 18 | -1.96 | -1.97 | -0.01 (-0.08, 0.07) | 0.87 | 0.87 |
|  | Post-Stressor Cortisol | 667 | 10 | 18 | -1.19 | -1.18 | 0.02 (-0.1, 0.14) | 0.78 | 0.85 |
|  | Mean Arterial Perssure | 1456 | 10 | 17.25 | 65.24 | 65.5 | 0.25 (-0.2, 0.69) | 0.28 | 0.54 |
|  | Resting Heart Rate | 1450 | 10 | 17 | 109.63 | 110.42 | 0.78 (-0.27, 1.84) | 0.15 | 0.39 |
|  | Entire promoter region (39 assayed CpG sites) | 719 | 10 | 18 | 0.42 | 0.4 | -0.02 (-0.05, 0.02) | 0.32 | 0.54 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 406 | 10 | 18 | -4.44 | -4.45 | -0.02 (-0.08, 0.05) | 0.62 | 0.75 |
|  |  |  |  |  |  |  |  |  |  |
| Paternal Percieved Stress | Pre to post-stress change in slope of sAA | 496 | 15 | 22 | -2.52 | -2.74 | -0.22 (-0.95, 0.5) | 0.56 | 0.74 |
|  | Pre-Stressor SAA | 523 | 15 | 22 | 3.98 | 4.08 | 0.1 (-0.01, 0.2) | 0.07 | 0.27 |
|  | Post-Stressor SAA | 507 | 15 | 22 | 4.55 | 4.66 | 0.11 (-0.01, 0.22) | 0.07 | 0.27 |
|  | Change in Slope of Cortisol | 482 | 14 | 22 | -0.01 | -0.01 | 0 (0, 0) | 0.82 | 0.86 |
|  | Pre-Stressor Cortisol | 529 | 15 | 22 | -1.96 | -1.88 | 0.08 (0, 0.17) | 0.05 | 0.27 |
|  | Post-Stressor Cortisol | 486 | 14 | 22 | -1.35 | -1.22 | 0.13 (-0.13, 0.39) | 0.34 | 0.54 |
|  | Mean Arterial Perssure | 1052 | 15 | 22 | 65.19 | 64.53 | -0.66 (-1.25, -0.07) | 0.03 | 0.22 |
|  | Resting Heart Rate | 1051 | 15 | 22 | 106.89 | 108.59 | 1.7 (0.36, 3.05) | 0.01 | 0.17 |
|  | Entire promoter region (39 assayed CpG sites) | 528 | 15 | 22 | 0.42 | 0.4 | -0.02 (-0.08, 0.04) | 0.48 | 0.72 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 302 | 14 | 21.75 | -4.33 | -4.44 | -0.11 (-0.27, 0.05) | 0.18 | 0.39 |
| N, 25th Percentile, and 75th Percentile are from the adjusted analyses | | | | | | | | | |

## Table 4

| Resting SAM biomarker | 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 | FDR Corrected P-value |
| CES-D score at Year 1 | IPF(2a)-III | 683 | 6 | 16 | -0.56 | -0.58 | -0.02 (-0.1, 0.06) | 0.63 | 0.63 |
|  | 2,3-dinor-iPF(a2)-III | 676 | 6 | 16 | 1.67 | 1.7 | 0.03 (0, 0.05) | 0.07 | 0.18 |
|  | iPF(2a)-VI | 683 | 6 | 16 | 2.49 | 2.55 | 0.05 (0.01, 0.09) | 0.01 | 0.09 |
|  | 8,12-iso-iPF(2a)-VI | 680 | 6 | 16 | 2.39 | 2.44 | 0.04 (-0.01, 0.09) | 0.1 | 0.18 |
|  | Compiled F2-isoprostanes Score | 680 | 6 | 16 | 2.8 | 2.88 | 0.09 (0.01, 0.16) | 0.02 | 0.09 |
|  | Pre to post-stress change in slope of sAA | 682 | 6 | 16 | -2.29 | -3.62 | -1.34 (-2.51, -0.17) | 0.03 | 0.11 |
|  | Pre-Stressor SAA | 729 | 6 | 16 | 3.91 | 3.95 | 0.04 (-0.04, 0.11) | 0.32 | 0.46 |
|  | Post-Stressor SAA | 699 | 6 | 16 | 4.5 | 4.59 | 0.09 (0, 0.17) | 0.05 | 0.13 |
|  | Change in Slope of Cortisol | 676 | 6 | 16 | -0.01 | -0.01 | 0 (0, 0) | 0.16 | 0.31 |
|  | Pre-Stressor Cortisol | 737 | 6 | 16 | -1.95 | -1.98 | -0.03 (-0.09, 0.03) | 0.34 | 0.46 |
|  | Post-Stressor Cortisol | 682 | 6 | 16 | -1.11 | -1.21 | -0.1 (-0.2, -0.01) | 0.03 | 0.11 |
|  | Mean Arterial Perssure | 1485 | 6 | 16 | 64.93 | 65.4 | 0.47 (0.05, 0.89) | 0.03 | 0.11 |
|  | Resting Heart Rate | 1482 | 6 | 16 | 106.32 | 107.49 | 1.17 (-1.26, 3.6) | 0.35 | 0.46 |
|  | Entire promoter region (39 assayed CpG sites) | 726 | 6 | 16 | 0.37 | 0.34 | -0.03 (-0.1, 0.04) | 0.36 | 0.46 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 414 | 5.25 | 15 | -4.41 | -4.45 | -0.04 (-0.09, 0.01) | 0.14 | 0.3 |
|  |  |  |  |  |  |  |  |  |  |
| CES-D score at Year 2 | Pre to post-stress change in slope of sAA | 669 | 5 | 17 | -3.12 | -1.82 | 1.3 (-0.11, 2.72) | 0.07 | 0.46 |
|  | Pre-Stressor SAA | 713 | 5 | 17 | 3.9 | 3.97 | 0.07 (0, 0.15) | 0.05 | 0.46 |
|  | Post-Stressor SAA | 687 | 5 | 17 | 4.64 | 4.47 | -0.17 (-0.36, 0.02) | 0.08 | 0.46 |
|  | Change in Slope of Cortisol | 660 | 5 | 17 | -0.01 | -0.01 | 0 (0, 0) | 0.3 | 0.68 |
|  | Pre-Stressor Cortisol | 721 | 5 | 17 | -1.92 | -2 | -0.08 (-0.17, 0.01) | 0.1 | 0.48 |
|  | Post-Stressor Cortisol | 666 | 5 | 17 | -1.17 | -1.3 | -0.13 (-0.36, 0.09) | 0.24 | 0.68 |
|  | Mean Arterial Perssure | 1455 | 5 | 17 | 65.29 | 65.44 | 0.16 (-0.26, 0.58) | 0.47 | 0.76 |
|  | Resting Heart Rate | 1449 | 5 | 17 | 110 | 110.18 | 0.18 (-0.81, 1.18) | 0.73 | 0.84 |
|  | Entire promoter region (39 assayed CpG sites) | 718 | 5 | 17 | 0.41 | 0.41 | 0 (-0.03, 0.03) | 0.98 | 0.98 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 406 | 5 | 17 | -4.43 | -4.45 | -0.02 (-0.07, 0.03) | 0.48 | 0.76 |
|  |  |  |  |  |  |  |  |  |  |
| Binary CES-D at Year 1 | IPF(2a)-III | 683 | 0 | 1 | -0.56 | -0.51 | 0.05 (-0.04, 0.15) | 0.24 | 0.27 |
|  | 2,3-dinor-iPF(a2)-III | 676 | 0 | 1 | 1.68 | 1.72 | 0.04 (-0.01, 0.09) | 0.12 | 0.18 |
|  | iPF(2a)-VI | 683 | 0 | 1 | 2.51 | 2.57 | 0.06 (-0.02, 0.13) | 0.12 | 0.18 |
|  | 8,12-iso-iPF(2a)-VI | 680 | 0 | 1 | 2.39 | 2.46 | 0.06 (-0.03, 0.15) | 0.18 | 0.23 |
|  | Compiled F2-isoprostanes Score | 680 | 0 | 1 | 2.81 | 2.93 | 0.11 (-0.01, 0.24) | 0.08 | 0.18 |
|  | Pre to post-stress change in slope of sAA | 682 | 0 | 1 | -2.33 | -2.52 | -0.19 (-1.19, 0.81) | 0.72 | 0.72 |
|  | Pre-Stressor SAA | 729 | 0 | 1 | 3.92 | 3.96 | 0.04 (-0.1, 0.18) | 0.6 | 0.71 |
|  | Post-Stressor SAA | 699 | 0 | 1 | 4.52 | 4.65 | 0.13 (-0.03, 0.29) | 0.1 | 0.25 |
|  | Change in Slope of Cortisol | 676 | 0 | 1 | -0.01 | -0.01 | 0 (0, 0) | 0.02 | 0.11 |
|  | Pre-Stressor Cortisol | 737 | 0 | 1 | -1.95 | -2.01 | -0.06 (-0.18, 0.05) | 0.28 | 0.46 |
|  | Post-Stressor Cortisol | 682 | 0 | 1 | -1.12 | -1.3 | -0.18 (-0.34, -0.01) | 0.03 | 0.11 |
|  | Mean Arterial Perssure | 1485 | 0 | 1 | 65.02 | 65.51 | 0.5 (-0.31, 1.31) | 0.23 | 0.42 |
|  | Resting Heart Rate | 1482 | 0 | 1 | 106.93 | 106.42 | -0.51 (-2.46, 1.44) | 0.62 | 0.71 |
|  | Entire promoter region (39 assayed CpG sites) | 726 | 0 | 1 | 0.42 | 0.41 | -0.01 (-0.06, 0.04) | 0.7 | 0.72 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 414 | 0 | 1 | -4.42 | -4.47 | -0.05 (-0.15, 0.05) | 0.31 | 0.46 |
|  |  |  |  |  |  |  |  |  |  |
| Binary CES-D at Year 2 | Pre to post-stress change in slope of sAA | 669 | 0 | 1 | -2.6 | -2.29 | 0.31 (-0.7, 1.32) | 0.56 | 0.76 |
|  | Pre-Stressor SAA | 713 | 0 | 1 | 3.91 | 4.03 | 0.11 (-0.03, 0.26) | 0.12 | 0.48 |
|  | Post-Stressor SAA | 687 | 0 | 1 | 4.53 | 4.62 | 0.09 (-0.07, 0.25) | 0.29 | 0.68 |
|  | Change in Slope of Cortisol | 660 | 0 | 1 | -0.01 | -0.01 | 0 (0, 0) | 0.57 | 0.76 |
|  | Pre-Stressor Cortisol | 721 | 0 | 1 | -1.96 | -1.99 | -0.03 (-0.15, 0.09) | 0.64 | 0.81 |
|  | Post-Stressor Cortisol | 666 | 0 | 1 | -1.15 | -1.24 | -0.09 (-0.25, 0.08) | 0.31 | 0.68 |
|  | Mean Arterial Perssure | 1455 | 0 | 1 | 65.3 | 65.63 | 0.33 (-0.48, 1.14) | 0.44 | 0.76 |
|  | Resting Heart Rate | 1449 | 0 | 1 | 110.03 | 110.33 | 0.3 (-1.63, 2.23) | 0.77 | 0.84 |
|  | Entire promoter region (39 assayed CpG sites) | 718 | 0 | 1 | 0.39 | 0.4 | 0 (-0.05, 0.05) | 0.91 | 0.95 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 406 | 0 | 1 | -4.43 | -4.46 | -0.03 (-0.13, 0.06) | 0.54 | 0.76 |
| N, 25th Percentile, and 75th Percentile are from the adjusted analyses | | | | | | | | | |