## Table 2

| Urinary oxidative stress biomarker | Outcome | N | 25th Percentile | 75th Percentile | Outcome, 75th Percentile v. 25th Percentile | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | Unadjusted | | | | | Fully adjusted | | | | |
|  |  |  |  |  | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-value | FDR Corrected P-value | 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 | 0.78 | 0.71 | -0.07 (-0.16, 0.01) | 0.09 | 0.22 | 0.70 | 0.61 | -0.09 (-0.17, 0) | 0.04 | 0.07 |
|  | 2,3-dinor-iPF(a2)-III | 584 | 0 | 1 | 5.81 | 5.49 | -0.32 (-0.67, 0.03) | 0.08 | 0.22 | 5.85 | 5.49 | -0.36 (-0.7, -0.02) | 0.04 | 0.07 |
|  | iPF(2a)-VI | 584 | 0 | 1 | 12.95 | 12.54 | -0.41 (-2.05, 1.24) | 0.64 | 0.64 | 12.88 | 12.26 | -0.61 (-2.26, 1.03) | 0.47 | 0.47 |
|  | 8,12-iso-iPF(2a)-VI | 584 | 0 | 1 | 12.85 | 11.82 | -1.04 (-2.47, 0.4) | 0.16 | 0.27 | 11.77 | 10.26 | -1.51 (-2.93, -0.09) | 0.04 | 0.07 |
|  | Pre to post-stress change in slope of sAA | 674 | 0 | 1 | -4.01 | -3.32 | 0.69 (-0.21, 1.59) | 0.13 | 0.82 | -2.87 | -2.28 | 0.59 (-0.32, 1.51) | 0.20 | 0.87 |
|  | Pre-Stressor SAA | 716 | 0 | 1 | 74.26 | 80.26 | 6.01 (-3.33, 15.35) | 0.21 | 0.82 | 67.00 | 74.06 | 7.05 (-2.42, 16.52) | 0.14 | 0.87 |
|  | Post-Stressor SAA | 686 | 0 | 1 | 145.62 | 141.32 | -4.3 (-21.41, 12.81) | 0.63 | 0.95 | 140.08 | 136.13 | -3.95 (-21.2, 13.31) | 0.67 | 0.98 |
|  | Change in Slope of Cortisol | 661 | 0 | 1 | -0.01 | -0.01 | 0 (0, 0) | 0.91 | 1.00 | -0.01 | -0.01 | 0 (0, 0) | 0.92 | 0.98 |
|  | Pre-Stressor Cortisol | 721 | 0 | 1 | 0.18 | 0.17 | -0.01 (-0.04, 0.01) | 0.34 | 0.82 | 0.22 | 0.20 | -0.02 (-0.04, 0.01) | 0.29 | 0.87 |
|  | Post-Stressor Cortisol | 667 | 0 | 1 | 0.39 | 0.38 | -0.01 (-0.07, 0.04) | 0.60 | 0.95 | 0.43 | 0.42 | -0.01 (-0.07, 0.04) | 0.62 | 0.98 |
|  | Mean Arterial Perssure | 720 | 0 | 1 | 64.45 | 64.89 | 0.44 (-0.5, 1.39) | 0.36 | 0.82 | 64.60 | 64.97 | 0.37 (-0.57, 1.31) | 0.45 | 0.90 |
|  | Resting Heart Rate | 724 | 0 | 1 | 108.47 | 108.78 | 0.3 (-2.01, 2.62) | 0.81 | 1.00 | 108.77 | 108.92 | 0.14 (-2.19, 2.48) | 0.91 | 0.98 |
|  | Entire promoter region (39 assayed CpG sites) | 718 | 0 | 1 | 0.34 | 0.36 | 0.02 (-0.03, 0.06) | 0.41 | 0.82 | 0.38 | 0.40 | 0.02 (-0.02, 0.07) | 0.36 | 0.87 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 699 | 0 | 1 | 0.83 | 0.83 | 0 (-0.14, 0.14) | 0.99 | 1.00 | 0.71 | 0.72 | 0.01 (-0.14, 0.15) | 0.93 | 0.98 |

## Table 3

| Salivary stress biomarker | Outcome | N | 25th Percentile | 75th Percentile | Outcome, 75th Percentile v. 25th Percentile | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | Unadjusted | | | | | Fully adjusted | | | | |
|  |  |  |  |  | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-value | FDR Corrected P-value | 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 | 676 | 10 | 18 | -3.36 | -3.89 | -0.53 (-1.18, 0.12) | 0.11 | 0.45 | -2.28 | -2.8 | -0.54 (-1.2, 0.12) | 0.11 | 0.37 |
|  | Pre-Stressor SAA | 718 | 10 | 18 | 71.04 | 78.52 | 7.47 (-6.33, 21.28) | 0.29 | 0.67 | 64.41 | 71.83 | 7.41 (-6.49, 21.32) | 0.3 | 0.6 |
|  | Post-Stressor SAA | 688 | 10 | 18 | 136.65 | 149.65 | 13 (0.61, 25.39) | 0.04 | 0.45 | 133.18 | 144.86 | 11.68 (-0.81, 24.17) | 0.07 | 0.37 |
|  | Change in Slope of Cortisol | 663 | 10 | 18 | -0.01 | -0.01 | 0 (0, 0) | 0.81 | 1 | -0.01 | -0.01 | 0 (0, 0) | 0.57 | 0.76 |
|  | Pre-Stressor Cortisol | 723 | 10 | 18 | 0.18 | 0.16 | -0.01 (-0.04, 0.01) | 0.4 | 0.8 | 0.21 | 0.2 | -0.01 (-0.04, 0.01) | 0.32 | 0.6 |
|  | Post-Stressor Cortisol | 669 | 10 | 18 | 0.38 | 0.38 | 0 (-0.04, 0.04) | 0.99 | 1 | 0.42 | 0.43 | 0.01 (-0.03, 0.04) | 0.79 | 0.82 |
|  | Mean Arterial Perssure | 722 | 10 | 18 | 64.57 | 64.84 | 0.27 (-0.94, 1.48) | 0.68 | 1 | 64.66 | 64.96 | 0.3 (-0.92, 1.52) | 0.64 | 0.77 |
|  | Resting Heart Rate | 726 | 10 | 18 | 108.64 | 108.64 | 0 (0, 0) | 1 | 1 | 108.42 | 108.85 | 0.43 (-1.23, 2.08) | 0.63 | 0.77 |
|  | Entire promoter region (39 assayed CpG sites) | 720 | 10 | 18 | 0.35 | 0.34 | -0.02 (-0.05, 0.02) | 0.31 | 0.67 | 0.42 | 0.4 | -0.02 (-0.05, 0.02) | 0.33 | 0.6 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 701 | 10 | 18 | 0.85 | 0.82 | -0.03 (-0.13, 0.07) | 0.59 | 1 | 0.73 | 0.7 | -0.03 (-0.13, 0.07) | 0.55 | 0.76 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Paternal Percieved Stress | Pre to post-stress change in slope of sAA | 498 | 15 | 22 | -3.39 | -3.49 | -0.1 (-0.82, 0.62) | 0.8 | 1 | -2.52 | -2.74 | -0.22 (-0.95, 0.5) | 0.56 | 0.76 |
|  | Pre-Stressor SAA | 525 | 15 | 22 | 71.55 | 81.79 | 10.24 (2.7, 17.78) | 0.01 | 0.19 | 69.66 | 80.2 | 10.54 (2.71, 18.37) | 0.01 | 0.2 |
|  | Post-Stressor SAA | 507 | 15 | 22 | 137.68 | 149.51 | 11.84 (-1.86, 25.53) | 0.09 | 0.45 | 127.34 | 141.09 | 13.76 (-0.11, 27.63) | 0.05 | 0.37 |
|  | Change in Slope of Cortisol | 484 | 14 | 22 | -0.01 | -0.01 | 0 (0, 0) | 0.91 | 1 | -0.01 | -0.01 | 0 (0, 0) | 0.85 | 0.85 |
|  | Pre-Stressor Cortisol | 529 | 15 | 22 | 0.17 | 0.22 | 0.05 (-0.01, 0.1) | 0.1 | 0.45 | 0.2 | 0.25 | 0.05 (-0.01, 0.1) | 0.08 | 0.37 |
|  | Post-Stressor Cortisol | 488 | 14 | 22 | 0.38 | 0.41 | 0.03 (-0.01, 0.08) | 0.16 | 0.48 | 0.4 | 0.45 | 0.04 (-0.01, 0.09) | 0.11 | 0.37 |
|  | Mean Arterial Perssure | 528 | 15 | 22 | 64.95 | 64.93 | -0.02 (-0.77, 0.72) | 0.95 | 1 | 64.66 | 64.52 | -0.14 (-0.89, 0.62) | 0.73 | 0.8 |
|  | Resting Heart Rate | 530 | 15 | 22 | 108.89 | 110.04 | 1.15 (-0.68, 2.98) | 0.22 | 0.59 | 109.71 | 110.79 | 1.08 (-0.76, 2.92) | 0.25 | 0.6 |
|  | Entire promoter region (39 assayed CpG sites) | 528 | 15 | 22 | 0.37 | 0.37 | 0 (-0.04, 0.04) | 0.99 | 1 | 0.42 | 0.4 | -0.02 (-0.08, 0.04) | 0.48 | 0.76 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 512 | 15 | 22 | 0.92 | 0.82 | -0.1 (-0.22, 0.01) | 0.07 | 0.45 | 0.69 | 0.58 | -0.11 (-0.22, 0) | 0.06 | 0.37 |

## Table 4

| Resting SAM biomarker | Outcome | N | 25th Percentile | 75th Percentile | Outcome, 75th Percentile v. 25th Percentile | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | Unadjusted | | | | | Fully adjusted | | | | |
|  |  |  |  |  | Predicted Outcome at 25th Percentile | Predicted Outcome at 75th Percentile | Coefficient (95% CI) | P-value | FDR Corrected P-value | 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 | 9 | 17 | 0.73 | 0.75 | 0.03 (-0.01, 0.07) | 0.19 | 0.38 | 0.67 | 0.7 | 0.03 (-0.01, 0.07) | 0.21 | 0.4 |
|  | 2,3-dinor-iPF(a2)-III | 683 | 9 | 17 | 5.57 | 5.64 | 0.06 (-0.11, 0.24) | 0.47 | 0.68 | 5.62 | 5.73 | 0.11 (-0.06, 0.27) | 0.22 | 0.4 |
|  | iPF(2a)-VI | 683 | 9 | 17 | 12.53 | 13.18 | 0.66 (-0.14, 1.46) | 0.11 | 0.38 | 12.61 | 13.24 | 0.62 (-0.16, 1.41) | 0.12 | 0.4 |
|  | 8,12-iso-iPF(2a)-VI | 683 | 9 | 17 | 12.24 | 12.56 | 0.32 (-0.39, 1.03) | 0.38 | 0.64 | 11.9 | 12.19 | 0.28 (-0.42, 0.99) | 0.44 | 0.62 |
|  | Pre to post-stress change in slope of sAA | 687 | 9 | 17 | -3.54 | -3.48 | 0.07 (-0.4, 0.54) | 0.8 | 0.93 | -2.4 | -2.41 | -0.01 (-0.49, 0.46) | 0.96 | 0.99 |
|  | Pre-Stressor SAA | 733 | 9 | 17 | 73.68 | 84.26 | 10.58 (-2.93, 24.09) | 0.12 | 0.93 | 69.77 | 83.65 | 13.89 (-0.14, 27.91) | 0.05 | 0.83 |
|  | Post-Stressor SAA | 699 | 9 | 17 | 141.38 | 141.7 | 0.32 (-8.69, 9.33) | 0.95 | 0.99 | 127.78 | 129.79 | 2.01 (-7.07, 11.09) | 0.68 | 0.91 |
|  | Change in Slope of Cortisol | 678 | 8.25 | 17 | -0.01 | -0.01 | 0 (0, 0) | 0.43 | 0.93 | -0.01 | -0.01 | 0 (0, 0) | 0.49 | 0.83 |
|  | Pre-Stressor Cortisol | 738 | 9 | 17 | 0.18 | 0.17 | -0.01 (-0.02, 0.01) | 0.53 | 0.93 | 0.2 | 0.2 | -0.01 (-0.02, 0.01) | 0.43 | 0.83 |
|  | Post-Stressor Cortisol | 684 | 8 | 17 | 0.38 | 0.4 | 0.02 (-0.03, 0.07) | 0.39 | 0.93 | 0.42 | 0.44 | 0.02 (-0.03, 0.07) | 0.49 | 0.83 |
|  | Mean Arterial Perssure | 737 | 9 | 17 | 64.37 | 64.68 | 0.31 (-0.19, 0.81) | 0.23 | 0.93 | 64.6 | 64.91 | 0.3 (-0.2, 0.81) | 0.24 | 0.83 |
|  | Resting Heart Rate | 741 | 9 | 17 | 108.8 | 108.61 | -0.19 (-1.43, 1.05) | 0.78 | 0.93 | 109.53 | 109.33 | -0.2 (-1.45, 1.06) | 0.77 | 0.91 |
|  | Entire promoter region (39 assayed CpG sites) | 727 | 8 | 17 | 0.34 | 0.37 | 0.03 (-0.02, 0.09) | 0.27 | 0.93 | 0.37 | 0.41 | 0.03 (-0.02, 0.09) | 0.19 | 0.83 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 709 | 8 | 17 | 0.84 | 0.84 | 0 (0, 0) | 1 | 1 | 0.73 | 0.7 | -0.03 (-0.11, 0.06) | 0.54 | 0.87 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CES-D score at Year 2 | Pre to post-stress change in slope of sAA | 675 | 9 | 16 | -3.85 | -3.32 | 0.53 (-0.55, 1.61) | 0.34 | 0.88 | -2.7 | -2.05 | 0.65 (-0.48, 1.78) | 0.26 | 0.9 |
|  | Pre-Stressor SAA | 717 | 9 | 16 | 74.64 | 78.35 | 3.71 (-0.7, 8.12) | 0.1 | 0.79 | 68.15 | 71.86 | 3.71 (-0.36, 7.77) | 0.07 | 0.88 |
|  | Post-Stressor SAA | 687 | 9 | 16.5 | 141.21 | 140.91 | -0.3 (-20.85, 20.24) | 0.98 | 1 | 134.98 | 134.19 | -0.78 (-21.54, 19.97) | 0.95 | 0.99 |
|  | Change in Slope of Cortisol | 662 | 9 | 17 | -0.01 | -0.01 | 0 (0, 0) | 0.62 | 0.88 | -0.01 | -0.01 | 0 (0, 0) | 0.66 | 0.9 |
|  | Pre-Stressor Cortisol | 722 | 9 | 16 | 0.16 | 0.19 | 0.03 (-0.01, 0.07) | 0.16 | 0.79 | 0.2 | 0.22 | 0.02 (-0.01, 0.06) | 0.22 | 0.9 |
|  | Post-Stressor Cortisol | 668 | 9 | 17 | 0.38 | 0.39 | 0.01 (-0.05, 0.07) | 0.71 | 0.94 | 0.42 | 0.44 | 0.02 (-0.04, 0.08) | 0.55 | 0.9 |
|  | Mean Arterial Perssure | 721 | 9 | 16 | 64.47 | 64.9 | 0.43 (-0.16, 1.02) | 0.15 | 0.79 | 64.62 | 65.14 | 0.52 (-0.13, 1.17) | 0.12 | 0.9 |
|  | Resting Heart Rate | 725 | 9 | 16 | 108.65 | 108.65 | 0 (0, 0) | 1 | 1 | 109.26 | 108.48 | -0.78 (-1.94, 0.38) | 0.19 | 0.9 |
|  | Entire promoter region (39 assayed CpG sites) | 719 | 9 | 16 | 0.34 | 0.35 | 0.01 (-0.01, 0.02) | 0.59 | 0.88 | 0.41 | 0.41 | 0 (-0.02, 0.02) | 0.73 | 0.9 |
|  | NGFI-A transcription factor binding site (CpG site #12) | 700 | 9 | 17 | 0.84 | 0.83 | -0.01 (-0.08, 0.06) | 0.75 | 0.94 | 0.73 | 0.72 | -0.01 (-0.08, 0.06) | 0.82 | 0.93 |