|  |  |  |
| --- | --- | --- |
| **Supplementary Table S1.**  **Questions associated with War Trauma, Chronic Stress and Rape Stress Measures** | | |
| **CATEGORY** | **N1** | **%1** |
| **War Trauma** |  |  |
| Are you currently a refugee? | 1 | 4 |
| Have you been a refugee in the past? | 11 | 46 |
| Have you been kidnapped in your lifetime? | 2 | 8 |
| Were your parents killed in war? | 6 | 25 |
| 2Were you raped in the past? | 6 | 25 |
| 2Is this current pregnancy the result of rape? | 4 | 17 |
| 2Were you raped during your current pregnancy? | 3 | 13 |
| Outside of this current pregnancy, have you conceived a child due to past rape? | 2 | 8 |
| Were you conceived because of rape? | 2 | 8 |
| Is your home village or city rebel occupied? | 2 | 8 |
|  |  |  |
| **Chronic Stress** |  |  |
| Do you own a home? | 14 | 58 |
| Did you have a wedding party? | 13 | 54 |
| Were you able to pay your hospital bill? | 18 | 75 |
| Did you pay for prenatal care? | 16 | 67 |
| Did you have a say in the decision about where to give birth? | 19 | 79 |
| Did you have someone (i.e. husband or sibling) helping to clean the house while you were pregnant? | 7 | 29 |
| Did you have anyone you could call to help you at home during your pregnancy? | 14 | 58 |
| Before your pregnancy, would you say you had enough to eat? | 15 | 63 |
| During your pregnancy, were you afraid to walk around at night? | 8 | 33 |
| Did you regularly cry during your pregnancy? | 11 | 46 |
| Did you feel stressed during your pregnancy? | 11 | 46 |
| Were you beaten during your pregnancy? | 4 | 17 |
| Would you say you have a happy marriage or relationship with the father of your latest child? | 14 | 58 |
| Did you want this pregnancy? | 15 | 63 |
| Do you have reproductive choice at home (i.e.: to use contraception)? | 14 | 58 |
| Did you feel ashamed to cry during your pregnancy? | 4 | 17 |
| Did you get sick (not including morning sickness) during your pregnancy? | 13 | 54 |
| Did someone (i.e. husband, partner, sibling) escort you to the hospital when you were in labor? | 15 | 63 |

1 Number and percentage of women answering ‘yes’ to each question. A ‘yes’ answer can indicate a stress exposure or lack thereof depending on the specific question.

2 Three questions analyzed as Rape Stress.

|  |  |  |
| --- | --- | --- |
| **Supplementary Table S2: Description of *IGF1* CpG sites tested**  Superscripts denote contributors to PC1 and/or PC2 in the three tissue types. | | |
| **Illumina CpG ID** | **Ensembl GRCh37.p13 coordinate location** | **Primer Sequence** |
| cg00264799a,d,e | chr 12: 102848839 | TGGCTGGAAGTGTGGGGGAAGGGAAAGGGAAGAAGGGAGGACATGGCCCCAGCCACCCAC[CG]TGCCATTCCTGGGTTTTGATTAAAGAGGAAAATATTGGCTCTGACATTCTCGATTTGCAA |
| cg01305421a,c,e | chr 12: 102874286 | GAGAGATGGGAGATGTTGAGAGCAATGTCACATTTCAATTTTGAGGACTTTATTCCATTG[CG]CAGGCTCTATCTGCTCTGAATTTAGCAGTGACAGTGAGATTTAGCAAACAGAAGAGGGAT |
| cg02823066a,c,e | chr 12: 102819748 | AAGAGAAATGCTTTGCTGGACAGAAAAATATTGTCCTAAGGGAATGGTTTGGTTTATCAA[CG]TCTAAGGTGAAAGATAATCAAATGCCAAGAGGTCATTTTTATGTTTGAATTATTTCAGTG |
| cg06652329b,c,e | chr 12: 102874566 | TAAAACTAGAGCACAGAAGCATTTTTTTCCCTTAAAAGAATGTGTGTTAGTGACAGGGTT[CG]CAGACATTAAAATACTTATGCTGCCATAGAAAATAAGGATCTGTTTTCTGATTAACTTTC |
| cg08806558a,e | chr 12: 102874972 | ATTGGTCCCTTTAGGGCACTGTCTCATACTTTTTCTCCTGCGATGAGGCAAAGACTATGC[CG]AGCTGTAAAACCCAACTGAAATAGAACATTTTTCTTTATTCTTCTACTAGGCTGCCTGTC |
| cg11612617b,d | chr 12: 102872937 | CCCCTAAGTAAGGAGACAAAAACTCCAGCTGCTAGATCACATAGTATGTATGCACAGTGA[CG]TCATTTCTTTGAAAGCAAGGTGGCCTGCATGTGTTGGCATCTCAGGAACAGCAGAATCAG |
| cg12742178a,c,e | chr 12: 102815929 | TGACTCAGTCAAACTCTAAGCTCATCTAAACTCTGAGCTCATGCTTTTTAGTCTGTAGAT[CG]ATGGGTTTAGGTACAGAGAATTTTAGGACTTTTCTGCAATGTTCCATAGAGAAAGTTTAT |
| cg14240353a,c | chr 12: 102873312 | ATCGGAAACGAGAAGTCGGTGCACTGACAGCAGCAGCCAGATTTACCTAAAGGGACTTCA[CG]ACACTGAATATAAAATCAGAGTTTTATAACACAGAACCCCAAGTCCAAACTTTGCCCATG |
| cg16655193e | chr 12: 102802953 | ACCTACATCACAGTGGTGTTATAATTGGATGTAATAACCCTCAGTCATTTACCTGGCATG[CG]GTATAGTTGTATGCAGGAGAGTCTACTGTTTAGAAAAACCTTGAACCTAATTGTTAGCAC |
| cg16801374a,e | chr 12: 102872708 | CTGGTGAGCTCTGCCTCTGGGCAGGACACCTTTACCCACTGAATTACATGTGAAAGACCA[CG]CAGCTCCCTCAAACCACTTCCTGCTTCAAGTACAGAAAAAAGTAACAACTTATTAAGAGC |
| cg20874044b,e | chr 12: 102874832 | GCAAACTCTACAATTTTAACCCTGAAGTGACTGGGGTAAAGTAGATTGGAAGACAGCACT[CG]GGTGACCCCTTGTCCCAGTTGCCAAGTGAGAGGTGTGATCTCATTTCCTAGAACCTATGG |
| cg23046919a,e | chr 12: 102795843 | ATGAAGGGAGGTGGTGGGTATAGACTAACAAGATTATCAGACACTGTAAAACAAACAGCC[CG]AGTTGTGTAGAAAGAAGTGCAAATAAGGAAACAATTCATAAACCACTTAGACAAGGTTGC |
| cg24676120e,f | chr 12: 102821557 | TCAGGGAGTAAACTGTTGGAAGACAGCCTCTACAGCAGCAGAAACAGCTCTTGGCACTGT[CG]CAGAGAAGGGAGCAGCCAGAGTCAGCGACAGATTGAACACAGGAGAGAGGGAAGGAGGGA |
| cg25163611e,f | chr 12: 102875301 | GCTAGCAATACCCTCTCGAGGGTTATGATGTCATTCAAATCCCTCAACTGGGTGACTGGC[CG]GCAACATGGTCCAAGCCAGCTGTTTTGCTATTTATAATGTACACTTGCCTTTGCCATTGA |
| cg25924694b,c,f | chr 12: 102872603 | CCTATTGTAGCAGCCCAGATAGTGACCCAAGCTCCAGTCCACTCCCTTACTCCCTTCCCC[CG]ACTCACTCACTTGGAAATACCTTGAGAGTCAGAGTACAATCAGCTGGTGAGCTCTGCCTC |
| cg27252197a,c,f | chr 12: 102856610 | ACCATCTCTACACCAAATTGAGAGACTGGAATTATAAGGTGAATGCAATTAACTGGCAGT[CG]CATCCATGTTGAGAACACAGTCATCCCTTTAATAGAGAACATTTGCTGTGCTTGACAAAC |

a PC1 in cord blood

b PC2 in cord blood

c PC1 in maternal blood

d PC2 in maternal blood

e PC1 in placental blood

f PC2 in placental blood

|  |  |  |
| --- | --- | --- |
| **Supplementary Table S3: Description of *IGF2* CpG sites tested**  Superscripts denote contributors to PC1 and/or PC2 in the three tissue types. The CpG sites which significantly contributed to PC2 in maternal blood, which in turn significantly associated with newborn birth weight are bolded. | | |
| **Illumina CpG ID** | **Ensembl GRCh37.p13 coordinate location** | **Primer Sequence** |
| cg01368777c,e | chr11: 2162483 | AAACAAAAAAAACTCTACCTTACRTTCCCCAAAATTTAAACATTATTCCC |
| cg01921126a,e | chr11: 2171026 | AATTACTTAACACCCTAAAATATTAATAAACRTAACACTAATAAAATAAC |
| cg02425416c | chr11: 2163808 | AAATCACACTAAACCCTTTTCCTAATCCCCCATACTTAAATATTCTAAAC |
| cg03553386a,b,e,f | chr11: 2170880 | CRAATAAAAATTTAACCCACCCCTAACCTAACAAAAAAACRCCTATAAAC |
| **cg04112019d** | **chr11: 2165136** | **AATTAAAATCCCCCRAAAATCAAAAACTAATTATTAAACTCAAACTTCCC** |
| cg05203776a,b,e,f | chr11: 2162582 | ATTTTTCTAAAATCTCRAATTTAATCATTAATCACRATTCCCACATTAAC |
| **cg05323345a,d,e** | **chr11: 2163174** | **TATCCCAAAAACTTAAAATATATTTCACTAAAACTCCCCCAAATACAAAC** |
| cg05444816c,e | chr11: 2162406 | AAACAACRCTAAAAAAAAATTTCCCAAATCCRAATTACTCTAAAAACTTC |
| cg05777976 | chr11: 2163538 | AATCCTCCAAAAACTCTAAACAACTTCCCTAAATCTTTAAATTCAAAAAC |
| cg06460568e | chr11: 2162211 | AAATTTAAACATTATCCCCAAATCTTCCAACAAACTAAACATTACTCCCA |
| cg08014499a,c,e,f | chr11: 2162545 | CAAATTTTAAAAAACRCAAAACAAAATTCTTTCTACCTTACRAACTTAAC |
| **cg10501065b,d** | **chr11: 2164976** | **TATATTTTAACRTCCCCRAAAATTAACRTCCAAAAAAATTATTATAACCC** |
| cg10650127 | chr11: 2170870 | AATACATTAACRAATAAAAATTTAACCCACCCCTAACCTAACAAAAAAAC |
| cg11005826a,f | chr11: 2165961 | AACRACCCTATCRACAAAAACAAAATCACCCCTTAACRTTAAACAATATC |
| cg11701022b,e | chr11: 2162478 | AAAAAAACTCTACCTTACRTTCCCCAAAATTTAAACATTATTCCCRACTC |
| cg12322132 | chr11: 2165656 | AAACAAAACTAATTTCACCCTTATTTAATACTAACRAAAACCCRAACRAC |
| cg12877935 | chr11: 2164780 | AAAAAACCAAACAAATTAATCAACACAACCACCACAAACCAAAAACTTCA |
| cg13791131 | chr11: 2161892 | AACCRCTTTCCCCACAAATAAAATCTTTACAATAAACAAACRAAAATAAC |
| cg13928782c,e | chr11: 2162445 | TAAAAACTTCATAAAAAACAAAAAAACCCAAAACCAATACCCACTATACA |
| cg14895961 | chr11: 2163513 | TCCCTAAATCTTTAAATTCAAAAACRATTTTCCTAAAACCCCCAAATTAC |
| cg15168906 | chr11: 2162783 | AAAATATATTCCTTACTTTCATCTACCAATTTTACRTAATATAACTCTAC |
| cg15508379c,e | chr11: 2162438 | ATTACTCTAAAAACTTCATAAAAAACAAAAAAACCCAAAACCAATACCCA |
| cg16817891 | chr11: 2165827 | AAAAACTAAACTTTCCCCAACCRAAATAAACAAACTTTCCCTAAAAATTC |
| cg17300736c,e | chr11: 2162475 | AAACCAATACCCACTATACACAAAATTAAAAAAACTACAATAAATAACCA |
| cg17462140c,e | chr11: 2162363 | CTCCTACRAAATCCCCAAAACAACTCRAATTTAAAAAATTTCTCTCTAAC |
| cg19131227a,e | chr11: 2162917 | CTAAAACCACAATAATTATAAAAATTATTTTTTCCCCRACTACTACCAAC |
| **cg19642877c,d** | **chr11: 2168625** | **CAATCACACAACTAAAATCTAAAATTCCRTAATTAACTCCAAATACTTCC** |
| cg20088847a,e | chr11: 2162616 | AAACCCCRAAAACTCCRTTAATATAAAAACCRTAATTAATAACTAAACTC |
| cg20792294c,f | chr11: 2165425 | AACAAATATCTAAAAATCCCAAAAACACCCAAAAAACAACATCCTAATCA |
| **cg21237591b,d** | **chr11: 2162510** | **CTACAATAAATAACCRACRAACCRAAAACAATACCCAAATTTTAAAAAAC** |
| cg21532432 | chr11: 2165434 | CAAAAACCAAACAAATATCTAAAAATCCCAAAAACACCCAAAAAACAACA |
| cg22225943e | chr11: 2162536 | AACAATACCCAAATTTTAAAAAACRCAAAACAAAATTCTTTCTACCTTAC |
| **cg23030069d,e** | **chr11: 2162183** | **AAACAATCAAACACTCTATAACAAACAATAAACACTACTAAAAATAAACA** |
| cg24047810a,c | chr11: 2162341 | CTCAAATTTAAAAAATTTCTCTCTAACATTACCCAAACACACTTAAATCA |
| cg24431667c,e | chr11: 2162387 | ACCAACCCAAATATATTTAAACAACACTAAAAAAAAATTTCCCAAATCCA |
| cg24781163e,f | chr11: 2162930 | TTAAAACCTTTCCCTAAAACCACAATAATTATAAAAATTATTTTTTCCCC |
| cg25574024 | chr11: 2161894 | CCRCTTTCCCCACAAATAAAATCTTTACAATAAACAAACRAAAATAACRC |
| cg26719629a,e | chr11: 2163299 | CTAAAAAATATCCCTAAATCCCAAAAAATCCCAAACATAAAAAAACCTAC |
| **cg27263998b,d,e** | **chr11: 2171007** | **ACTTAAAATAACACTTAACAATTACTTAACACCCTAAAATATTAATAAAC** |

a PC1 in cord blood

b PC2 in cord blood

c PC1 in maternal blood

**d PC2 in maternal blood**

e PC1 in placental blood

f PC2 in placental blood