Supplementary table 5. PROSAI cohort: correlations between *FKBP5* methylation and salivary cortisol

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Salivary cortisol (nmol/l)** | | | | | | | | | | | |
| ***FKBP5* methylation** | **wakeup** | | **12:00** | | **16:00** | | **20:00** | | **bedtime** | | **AUC** | |
| **CpG sites** | **cc** | **p** | **cc** | **p** | **cc** | **p** | **cc** | **p** | **cc** | **p** | **cc** | **p** |
| **Intron1A1 CpG185** | -0.137 | 0.375 | 0.015 | 0.913 | -0.106 | 0.45 | 0.016 | 0.911 | 0.007 | 0.96 | -0.111 | 0.558 |
| **Intron1A1 CpG189** | -0.219 | 0.153 | -0.021 | 0.879 | -0.122 | 0.385 | -0.119 | 0.396 | -0.061 | 0.666 | -0.006 | 0.976 |
| **Intron1A2 CpG49** | 0.014 | 0.930 | 0.001 | 0.993 | 0.032 | 0.817 | 0.072 | 0.608 | 0.008 | 0.953 | 0.147 | 0.439 |
| **Intron1A2 CpG126** | -0.174 | 0.260 | -0.062 | 0.652 | -0.197 | 0.158 | -0.153 | 0.275 | -0.167 | 0.236 | -0.134 | 0.480 |
| **Intron1A2 CpG143** | -0.192 | 0.211 | 0.092 | 0.5 | -0.065 | 0.643 | -0.176 | 0.208 | -0.241 | 0.085 | -0.086 | 0.652 |
| **Intron1A2 CpG190** | -0.176 | 0.254 | 0.023 | 0.864 | -0.093 | 0.509 | -0.043 | 0.761 | -0.2 | 0.156 | -0.075 | 0.694 |
| **Intron2A1 CpG62** | -0.043 | 0.784 | 0.131 | 0.34 | -0.002 | 0.989 | -0.056 | 0.692 | -0.03 | 0.835 | 0.215 | 0.254 |
| **Intron2A1 CpG115** | -0.141 | 0.361 | 0.049 | 0.721 | -0.201 | 0.149 | 0.097 | 0.491 | -0.065 | 0.647 | 0.144 | 0.447 |
| **Intron2A1 CpG180** | -0.111 | 0.480 | 0.082 | 0.554 | -0.119 | 0.401 | 0.103 | 0.473 | 0.04 | 0.782 | 0.124 | 0.515 |
| **Intron2A1 CpG228** | -0.046 | 0.769 | 0.103 | 0.456 | -0.099 | 0.486 | -0.086 | 0.544 | -0.039 | 0.785 | 0.261 | 0.164 |
| **Intron5A1 CpG97** | -0.067 | 0.666 | -0.292 | 0.029 | 0.177 | 0.206 | 0.159 | 0.256 | 0.104 | 0.464 | 0.101 | 0.596 |
| **Intron5A1 CpG123** | -0.119 | 0.441 | -0.325 | 0.015 | 0.002 | 0.99 | -0.062 | 0.657 | -0.035 | 0.808 | -0.201 | 0.287 |
| **Intron5A1 CpG242** | -0.062 | 0.688 | -0.142 | 0.295 | -0.029 | 0.839 | -0.002 | 0.989 | -0.036 | 0.8 | -0.136 | 0.472 |
| **Intron5A1 CpG262** | -0.177 | 0.251 | -0.152 | 0.265 | -0.003 | 0.98 | -0.009 | 0.949 | -0.022 | 0.879 | -0.195 | 0.303 |
| **Intron5A1 CpG268** | -0.023 | 0.882 | -0.175 | 0.197 | -0.038 | 0.786 | 0.036 | 0.796 | 0.11 | 0.436 | -0.078 | 0.683 |
| **Intron5A2 CpG66** | 0.028 | 0.861 | 0.23 | 0.094 | -0.074 | 0.605 | 0.086 | 0.545 | 0.036 | 0.805 | 0.281 | 0.140 |
| **Intron5A2 CpG127** | -0.124 | 0.433 | 0.071 | 0.61 | -0.011 | 0.94 | -0.054 | 0.705 | -0.211 | 0.142 | 0.022 | 0.910 |
| **Intron5A2 CpG218** | 0.088 | 0.574 | 0.038 | 0.784 | 0.1 | 0.481 | 0.015 | 0.917 | -0.082 | 0.566 | 0.259 | 0.167 |
| **Intron5A3 CpG133** | 0.060 | 0.705 | -0.157 | 0.263 | 0.03 | 0.836 | -0.125 | 0.387 | 0.136 | 0.351 | -0.211 | 0.271 |
| **Intron7A1 CpG127** | -0.164 | 0.289 | -0.209 | 0.122 | 0.127 | 0.366 | 0.026 | 0.852 | 0.042 | 0.769 | -0.024 | 0.901 |
| **Intron7A1 CpG138** | -0.220 | 0.151 | -0.303 | 0.023 | 0.153 | 0.273 | 0.072 | 0.609 | 0.019 | 0.892 | -0.100 | 0.600 |
| **Intron7A1 CpG282** | -.369 | 0.014 | -0.2 | 0.14 | -0.069 | 0.626 | -0.075 | 0.594 | -0.122 | 0.387 | -0.126 | 0.508 |
| **Intron7A2 CpG41** | -0.191 | 0.214 | -0.166 | 0.221 | 0.132 | 0.347 | 0.162 | 0.247 | 0.127 | 0.371 | -0.035 | 0.855 |
| **Intron7A2 CpG94** | -0.183 | 0.235 | 0.132 | 0.331 | 0.091 | 0.517 | -0.038 | 0.789 | -0.057 | 0.687 | 0.206 | 0.274 |
| **Intron7A2 CpG119** | -0.057 | 0.712 | -0.048 | 0.725 | -0.127 | 0.364 | -0.265 | 0.055 | -0.177 | 0.208 | 0.046 | 0.811 |
| **Intron7A2 CpG169** | -0.232 | 0.130 | -0.172 | 0.204 | -0.085 | 0.545 | 0.046 | 0.744 | -0.038 | 0.792 | -0.172 | 0.364 |
| **Intron7A2 CpG221** | -0.272 | 0.074 | -0.191 | 0.158 | -0.088 | 0.53 | 0.037 | 0.792 | -0.127 | 0.368 | -0.190 | 0.313 |
| **PromoterA1 CpG112** | -0.011 | 0.941 | -0.093 | 0.497 | -0.036 | 0.801 | 0.157 | 0.263 | 0.009 | 0.951 | 0.017 | 0.928 |
| **PromoterA1 CpG128** | -.369 | 0.014 | -0.238 | 0.078 | -0.169 | 0.227 | -0.29 | 0.035 | -0.313 | 0.024 | -.381 | 0.038 |
| **PromoterA1 CpG175** | -0.250 | 0.101 | -0.268 | 0.046 | -0.087 | 0.534 | -0.212 | 0.127 | -0.15 | 0.287 | -.368 | 0.046 |
| **PromoterA1 CpG199** | -.328 | 0.030 | 0.01 | 0.944 | -0.043 | 0.76 | -0.023 | 0.869 | -0.012 | 0.934 | 0.014 | 0.941 |
| **PromoterA2 CpG48** | -0.219 | 0.169 | -0.191 | 0.174 | -0.122 | 0.399 | -0.052 | 0.724 | -0.044 | 0.765 | -0.361 | 0.059 |
| **PromoterA2 CpG89** | -0.091 | 0.572 | -0.165 | 0.242 | -0.319 | 0.024 | -0.136 | 0.351 | -0.179 | 0.222 | -0.368 | 0.054 |
| **PromoterA2 CpG101** | -0.235 | 0.139 | -0.028 | 0.845 | -0.158 | 0.274 | -0.189 | 0.194 | -0.351 | 0.014 | -0.091 | 0.646 |
| **PromoterA2 CpG168** | -0.043 | 0.789 | -0.022 | 0.877 | 0.021 | 0.885 | -0.086 | 0.556 | -0.134 | 0.364 | 0.116 | 0.556 |
| **PromoterA2 CpG215** | -.341 | 0.029 | 0.011 | 0.937 | -0.158 | 0.273 | -0.113 | 0.438 | -0.172 | 0.242 | -0.170 | 0.388 |
| **PromoterA2 CpG253** | -0.308 | 0.050 | -0.1 | 0.479 | -0.111 | 0.443 | -0.101 | 0.491 | -0.26 | 0.074 | -0.120 | 0.543 |
| **PromoterA2 CpG288** | -.341 | 0.029 | -0.181 | 0.198 | -0.053 | 0.716 | -0.101 | 0.489 | -0.215 | 0.142 | -0.283 | 0.144 |
| **Proximal EnhancerA1 CpG83** | -0.085 | 0.584 | -0.361 | 0.006 | -0.014 | 0.922 | -0.14 | 0.317 | -0.088 | 0.535 | -.365 | 0.048 |
| **Proximal EnhancerA1 CpG91** | -0.061 | 0.695 | -0.27 | 0.044 | -0.054 | 0.699 | -0.065 | 0.646 | -0.041 | 0.771 | -0.283 | 0.129 |
| **Proximal EnhancerA1 CpG134** | -0.153 | 0.322 | -0.206 | 0.127 | -0.299 | 0.03 | -0.365 | 0.007 | -0.344 | 0.012 | -0.323 | 0.082 |
| **Proximal EnhancerA1 CpG207** | -0.092 | 0.552 | -0.4 | 0.002 | -0.131 | 0.351 | -0.141 | 0.313 | -0.108 | 0.447 | -.453 | 0.012 |
| **Proximal EnhancerA1 CpG216** | -0.092 | 0.554 | -0.371 | 0.005 | -0.107 | 0.444 | -0.12 | 0.391 | -0.119 | 0.401 | -.436 | 0.016 |
| **Proximal EnhancerA1 CpG226** | -0.098 | 0.528 | -0.344 | 0.009 | -0.102 | 0.468 | -0.117 | 0.403 | -0.105 | 0.46 | -.391 | 0.033 |
| **Proximal EnhancerA1 CpG265** | -0.117 | 0.448 | -0.382 | 0.004 | -0.102 | 0.468 | -0.123 | 0.382 | -0.143 | 0.313 | -.457 | 0.011 |
| **Proximal EnhancerA2 CpG84** | 0.028 | 0.859 | -0.137 | 0.313 | 0.037 | 0.793 | 0.213 | 0.126 | 0.045 | 0.753 | -0.003 | 0.988 |
| **Proximal EnhancerA2 CpG100** | -.391 | 0.009 | -0.139 | 0.308 | -0.094 | 0.504 | -0.164 | 0.24 | -0.172 | 0.221 | -.363 | 0.049 |
| **Proximal EnhancerA2 CpG147** | -.337 | 0.025 | -0.215 | 0.112 | -0.118 | 0.4 | -0.251 | 0.07 | -0.157 | 0.267 | -0.317 | 0.088 |
| **Proximal EnhancerA2 CpG171** | -.305 | 0.044 | -0.013 | 0.926 | -0.072 | 0.608 | -0.104 | 0.46 | -0.134 | 0.345 | -0.083 | 0.662 |
| **Proximal EnhancerA2 CpG244** | -.397 | 0.008 | -0.122 | 0.37 | -0.141 | 0.313 | -0.131 | 0.349 | -0.217 | 0.123 | -0.279 | 0.136 |
| **Proximal EnhancerA3 CpG148** | 0.074 | 0.634 | -0.09 | 0.51 | -0.058 | 0.678 | 0.105 | 0.453 | 0.071 | 0.616 | 0.016 | 0.934 |
| **Proximal EnhancerA3 CpG199** | -0.170 | 0.269 | -0.015 | 0.913 | -0.115 | 0.41 | -0.168 | 0.229 | -0.149 | 0.293 | -0.171 | 0.366 |
| **Proximal EnhancerA4 CpG191** | 0.072 | 0.642 | 0.03 | 0.829 | -0.017 | 0.906 | -0.225 | 0.106 | -0.136 | 0.338 | 0.090 | 0.637 |
| **Proximal EnhancerA4 CpG232** | -0.029 | 0.853 | 0.124 | 0.365 | -0.061 | 0.668 | -0.068 | 0.626 | -0.226 | 0.107 | -0.200 | 0.289 |

cc correlation coefficient