Supplementary table 6. PIA cohort: correlations with plasma cortisol levels following intake of the morning hydrocortisone dose

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***FKBP5* CpG sites** | **Plasma cortisol**  **60 min** | | **Plasma cortisol**  **120 min** | | **AUC plasma cortisol** | | **Increase in plasma cortisol at 60 min** | | **Increase in plasma cortisol at 120 min** | |
| **Correlation coefficient** | **p** | **Correlation coefficient** | **p** | **Correlation coefficient** | **p** | **Correlation coefficient** | **p** | **Correlation coefficient** | **p** |
| Intron1A1 CpG185 | -0.393 | 0.002 | -0.490 | 0.000 | -0.440 | 0.001 | -0.406 | 0.002 | -0.473 | 0.000 |
| Intron1A1 CpG189 | -0.332 | 0.011 | -0.530 | 0.000 | -0.402 | 0.002 | -0.363 | 0.005 | -0.535 | 0.000 |
| Intron1A2 CpG126 | -0.050 | 0.709 | -0.251 | 0.055 | -0.078 | 0.559 | -0.128 | 0.338 | -0.302 | 0.021 |
| Intron1A2 CpG143 | 0.044 | 0.741 | -0.027 | 0.838 | 0.052 | 0.701 | -0.011 | 0.935 | -0.070 | 0.601 |
| Intron1A2 CpG190 | 0.098 | 0.463 | 0.005 | 0.968 | 0.106 | 0.429 | 0.023 | 0.866 | -0.074 | 0.581 |
| Intron1A2 CpG49 | -0.045 | 0.736 | -0.013 | 0.924 | -0.019 | 0.890 | -0.104 | 0.439 | -0.085 | 0.526 |
| Intron2A1 CpG115 | 0.006 | 0.967 | -0.010 | 0.940 | 0.050 | 0.710 | -0.096 | 0.472 | -0.092 | 0.494 |
| Intron2A1 CpG180 | 0.042 | 0.757 | -0.076 | 0.569 | 0.047 | 0.729 | -0.050 | 0.707 | -0.162 | 0.225 |
| Intron2A1 CpG228 | -0.027 | 0.841 | -0.143 | 0.279 | -0.010 | 0.940 | -0.155 | 0.244 | -0.260 | 0.048 |
| Intron2A1 CpG62 | 0.026 | 0.844 | -0.001 | 0.992 | 0.057 | 0.671 | -0.068 | 0.614 | -0.100 | 0.457 |
| Intron5A1 CpG123 | -0.163 | 0.220 | -0.126 | 0.341 | -0.158 | 0.235 | -0.171 | 0.201 | -0.125 | 0.350 |
| Intron5A1 CpG242 | -0.376 | 0.004 | -0.254 | 0.052 | -0.380 | 0.003 | -0.334 | 0.010 | -0.199 | 0.133 |
| Intron5A1 CpG262 | -0.306 | 0.020 | -0.215 | 0.102 | -0.314 | 0.017 | -0.271 | 0.040 | -0.177 | 0.185 |
| Intron5A1 CpG268 | -0.363 | 0.005 | -0.212 | 0.107 | -0.349 | 0.007 | -0.327 | 0.012 | -0.154 | 0.248 |
| Intron5A1 CpG97 | -0.337 | 0.010 | -0.228 | 0.083 | -0.322 | 0.014 | -0.351 | 0.007 | -0.240 | 0.069 |
| Intron5A2 CpG127 | 0.064 | 0.635 | -0.096 | 0.469 | 0.052 | 0.696 | -0.016 | 0.903 | -0.168 | 0.208 |
| Intron5A2 CpG218 | -0.038 | 0.775 | -0.015 | 0.910 | -0.020 | 0.880 | -0.087 | 0.516 | -0.084 | 0.529 |
| Intron5A2 CpG66 | 0.073 | 0.588 | -0.077 | 0.563 | 0.066 | 0.620 | -0.002 | 0.985 | -0.134 | 0.317 |
| Intron5A3 CpG133 | -0.408 | 0.002 | -0.291 | 0.027 | -0.445 | 0.001 | -0.303 | 0.022 | -0.192 | 0.152 |
| Intron7A1 CpG127 | -0.293 | 0.026 | -0.308 | 0.018 | -0.317 | 0.015 | -0.295 | 0.025 | -0.300 | 0.022 |
| Intron7A1 CpG138 | -0.321 | 0.014 | -0.252 | 0.054 | -0.336 | 0.010 | -0.305 | 0.020 | -0.254 | 0.055 |
| Intron7A1 CpG282 | -0.376 | 0.004 | -0.319 | 0.014 | -0.397 | 0.002 | -0.353 | 0.007 | -0.298 | 0.023 |
| Intron7A2 CpG119 | 0.058 | 0.666 | 0.013 | 0.919 | 0.063 | 0.640 | 0.005 | 0.969 | -0.061 | 0.650 |
| Intron7A2 CpG169 | -0.243 | 0.066 | -0.369 | 0.004 | -0.311 | 0.017 | -0.201 | 0.130 | -0.298 | 0.023 |
| Intron7A2 CpG221 | -0.150 | 0.263 | -0.267 | 0.041 | -0.202 | 0.129 | -0.138 | 0.301 | -0.249 | 0.060 |
| Intron7A2 CpG41 | -0.343 | 0.008 | -0.299 | 0.021 | -0.372 | 0.004 | -0.282 | 0.032 | -0.211 | 0.112 |
| Intron7A2 CpG94 | 0.132 | 0.322 | -0.098 | 0.462 | 0.110 | 0.412 | 0.026 | 0.845 | -0.209 | 0.116 |
| PromoterA1 CpG112 | -0.108 | 0.419 | -0.058 | 0.663 | -0.099 | 0.459 | -0.110 | 0.413 | -0.058 | 0.667 |
| PromoterA1 CpG128 | -0.328 | 0.012 | -0.231 | 0.079 | -0.343 | 0.008 | -0.332 | 0.011 | -0.307 | 0.019 |
| PromoterA1 CpG175 | -0.349 | 0.007 | -0.179 | 0.174 | -0.336 | 0.010 | -0.331 | 0.011 | -0.185 | 0.165 |
| PromoterA1 CpG199 | -0.283 | 0.031 | -0.226 | 0.085 | -0.279 | 0.034 | -0.287 | 0.029 | -0.211 | 0.111 |
| Promoter A2 CpG101 | 0.077 | 0.564 | 0.010 | 0.940 | 0.082 | 0.538 | 0.023 | 0.862 | -0.048 | 0.722 |
| Promoter A2 CpG168 | 0.120 | 0.369 | 0.157 | 0.236 | 0.153 | 0.252 | 0.073 | 0.586 | 0.084 | 0.529 |
| Promoter A2 CpG215 | -0.115 | 0.388 | -0.217 | 0.098 | -0.141 | 0.292 | -0.137 | 0.307 | -0.213 | 0.108 |
| Promoter A2 CpG253 | 0.129 | 0.334 | 0.046 | 0.732 | 0.135 | 0.311 | 0.072 | 0.593 | -0.012 | 0.928 |
| Promoter A2 CpG288 | -0.174 | 0.192 | -0.246 | 0.060 | -0.182 | 0.171 | -0.223 | 0.093 | -0.269 | 0.041 |
| Promoter A2 CpG48 | -0.010 | 0.938 | -0.115 | 0.386 | -0.057 | 0.669 | -0.014 | 0.918 | -0.159 | 0.233 |
| Promoter A2 CpG89 | 0.068 | 0.616 | -0.073 | 0.585 | 0.057 | 0.673 | -0.011 | 0.935 | -0.158 | 0.242 |
| Proximal EnhancerA1 CpG134 | -0.321 | 0.014 | -0.190 | 0.149 | -0.322 | 0.014 | -0.276 | 0.036 | -0.148 | 0.269 |
| Proximal EnhancerA1 CpG207 | -0.364 | 0.005 | -0.146 | 0.268 | -0.365 | 0.005 | -0.271 | 0.039 | -0.072 | 0.591 |
| Proximal EnhancerA1 CpG216 | -0.360 | 0.005 | -0.130 | 0.327 | -0.360 | 0.006 | -0.264 | 0.045 | -0.054 | 0.689 |
| Proximal EnhancerA1 CpG226 | -0.374 | 0.004 | -0.144 | 0.275 | -0.373 | 0.004 | -0.277 | 0.035 | -0.063 | 0.636 |
| Proximal EnhancerA1 CpG265 | -0.336 | 0.010 | -0.141 | 0.287 | -0.350 | 0.007 | -0.227 | 0.086 | -0.052 | 0.696 |
| Proximal EnhancerA1 CpG83 | -0.340 | 0.009 | -0.152 | 0.252 | -0.338 | 0.009 | -0.273 | 0.038 | -0.101 | 0.453 |
| Proximal EnhancerA1 CpG91 | -0.361 | 0.005 | -0.164 | 0.216 | -0.358 | 0.006 | -0.292 | 0.026 | -0.106 | 0.430 |
| Proximal EnhancerA2 CpG100 | -0.367 | 0.005 | -0.213 | 0.106 | -0.373 | 0.004 | -0.363 | 0.005 | -0.289 | 0.028 |
| Proximal EnhancerA2 CpG147 | -0.332 | 0.011 | -0.148 | 0.263 | -0.316 | 0.016 | -0.312 | 0.017 | -0.159 | 0.234 |
| Proximal EnhancerA2 CpG171 | -0.283 | 0.031 | -0.232 | 0.078 | -0.283 | 0.031 | -0.280 | 0.033 | -0.209 | 0.115 |
| Proximal EnhancerA2 CpG244 | -0.338 | 0.010 | -0.270 | 0.039 | -0.330 | 0.011 | -0.353 | 0.007 | -0.268 | 0.042 |
| Proximal EnhancerA2 CpG84 | -0.087 | 0.518 | -0.056 | 0.675 | -0.085 | 0.526 | -0.081 | 0.545 | -0.048 | 0.718 |
| Proximal EnhancerA3 CpG148 | -0.065 | 0.630 | 0.043 | 0.747 | -0.052 | 0.699 | -0.033 | 0.808 | 0.063 | 0.640 |
| Proximal EnhancerA3 CpG199 | -0.346 | 0.008 | -0.259 | 0.048 | -0.367 | 0.005 | -0.294 | 0.025 | -0.209 | 0.116 |
| Proximal EnhancerA4 CpG191 | -0.217 | 0.105 | -0.273 | 0.038 | -0.253 | 0.057 | -0.211 | 0.115 | -0.257 | 0.054 |
| Proximal EnhancerA4 CpG232 | -0.106 | 0.432 | -0.372 | 0.004 | -0.188 | 0.162 | -0.125 | 0.354 | -0.367 | 0.005 |

AUC area under the curve