|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table S4. Simple Correlation between variables of interest. | | | |  |  |  |  |  |  |  |  |  |  |  |
| **Correlations** |  |  | DRD1 | PPP1R1B | DRD2 | ANKK1 | Large Reward | | | Small Reward | | | AUDIT score | |
|  |  |  | rs686 | rs879606 | rs12364283 | rs12364283 | VS | medial OFC | lateral OFC | VS | medial OFC | lateral OFC | Time 1 | Time 2 |
| DRD1 | rs686 | Pearson Correlation |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Sig. (2-tailed) |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | N |  |  |  |  |  |  |  |  |  |  |  |  |
| PPP1R1B | rs879606 | Pearson Correlation | .043 |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Sig. (2-tailed) | .068 |  |  |  |  |  |  |  |  |  |  |  |
|  |  | N | 1834 |  |  |  |  |  |  |  |  |  |  |  |
| DRD2 | rs12364283 | Pearson Correlation | .028 | -.199 |  |  |  |  |  |  |  |  |  |  |
|  |  | Sig. (2-tailed) | .234 | .000 |  |  |  |  |  |  |  |  |  |  |
|  |  | N | 1833 | 2462 |  |  |  |  |  |  |  |  |  |  |
| ANKK1 | rs1800497 | Pearson Correlation | -.017 | -.016 | .057 |  |  |  |  |  |  |  |  |  |
|  |  | Sig. (2-tailed) | .457 | .497 | .016 |  |  |  |  |  |  |  |  |  |
|  |  | N | 1830 | 1831 | 1830 |  |  |  |  |  |  |  |  |  |
| Large Reward | VS | Pearson Correlation | .016 | .014 | .018 | -.023 |  |  |  |  |  |  |  |  |
|  |  | Sig. (2-tailed) | .564 | .597 | .494 | .409 |  |  |  |  |  |  |  |  |
|  |  | N | 1282 | 1532 | 1532 | 1279 |  |  |  |  |  |  |  |  |
|  | medial OFC | Pearson Correlation | -.076 | .037 | -.048 | -.046 | .174 |  |  |  |  |  |  |  |
|  |  | Sig. (2-tailed) | .006 | .151 | .062 | .097 | .000 |  |  |  |  |  |  |  |
|  |  | N | 1282 | 1532 | 1532 | 1279 | 1532 |  |  |  |  |  |  |  |
|  | lateral OFC | Pearson Correlation | -.003 | -.004 | -.008 | -.076 | .287 | .369 |  |  |  |  |  |  |
|  |  | Sig. (2-tailed) | .909 | .890 | .757 | .007 | .000 | .000 |  |  |  |  |  |  |
|  |  | N | 1282 | 1532 | 1532 | 1279 | 1532 | 1532 |  |  |  |  |  |  |
| Small Reward | VS | Pearson Correlation | .016 | .014 | .018 | -.023 | 1.000 | .174 | .287 |  |  |  |  |  |
|  |  | Sig. (2-tailed) | .564 | .597 | .494 | .409 | .000 | .000 | .000 |  |  |  |  |  |
|  |  | N | 1282 | 1532 | 1532 | 1279 | 1532 | 1532 | 1532 |  |  |  |  |  |
|  | medial OFC | Pearson Correlation | -.070 | .046 | -.017 | -.033 | .107 | .592 | .233 | .107 |  |  |  |  |
|  |  | Sig. (2-tailed) | .014 | .081 | .508 | .248 | .000 | .000 | .000 | .000 |  |  |  |  |
|  |  | N | 1228 | 1470 | 1470 | 1225 | 1440 | 1440 | 1440 | 1440 |  |  |  |  |
|  | Lateral OFC | Pearson Correlation | -.034 | .015 | .033 | -.048 | .148 | .229 | .639 | .148 | .389 |  |  |  |
|  |  | Sig. (2-tailed) | .228 | .560 | .210 | .094 | .000 | .000 | .000 | .000 | .000 |  |  |  |
|  |  | N | 1228 | 1470 | 1470 | 1225 | 1440 | 1440 | 1440 | 1440 | 1470 |  |  |  |
| AUDIT | Time 1 | Pearson Correlation | .015 | .033 | -.026 | .000 | -.023 | .001 | .026 | -.023 | -.017 | .019 |  |  |
|  |  | Sig. (2-tailed) | .546 | .151 | .262 | .993 | .409 | .971 | .350 | .409 | .540 | .506 |  |  |
|  |  | N | 1590 | 1880 | 1879 | 1588 | 1331 | 1331 | 1331 | 1331 | 1274 | 1274 |  |  |
|  | Time 2 | Pearson Correlation | .069 | .055 | .010 | -.005 | .000 | .011 | .037 | .000 | -.018 | .026 | .354 |  |
|  |  | Sig. (2-tailed) | .008 | .023 | .692 | .862 | .990 | .698 | .192 | .990 | .534 | .367 | .000 |  |
|  |  | N | 1470 | 1699 | 1698 | 1467 | 1228 | 1228 | 1228 | 1228 | 1175 | 1175 | 1481 |  |
| \*\*Sex, Age, and Site was not controlled for in this correlation table | | | |  |  |  |  |  |  |  |  |  |  |  |