**Supplementary Table S1**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Healthy siblings (N=35)** | **Healthy unrelated controls (N=19)** | **p** |
| Age | 17.83 (4.9) | 18.8 (5.7) | 0.515 |
| Gender (%male) | 45.7 % | 47.4% | 0.909 |
| IQ | 107.9 (11.7) | 109.8 (12.2) | 0.576 |
| Anxious/depressed score | 54.7 (2.3) | 53.9 (5.9) | 0.745 |
| TEPS anticipatory | 44.3 (6.7) | 44.8 (4.1) | 0.768 |
| TEPS consummatory | 32.2 (8.4) | 33.3 (7.4) | 0.645 |

Variables of interest in healthy sibling and unrelated controls

|  |  |  |
| --- | --- | --- |
|  | **Controls (N=35)** | **22q11DS (N=46)** |
| FA NAc/OFC\_L | 0.359 (± 0.31) | 0.369 (± 0.34) |
| AD NAc/OFC\_L | 0.00109(± 0.000046) | 0.00107 (± 0.000041) |
| RD NAc/OFC\_L | 0.00063 (± 0.00004) | 0.00061 (± 0.000042) |
|  |  |  |
| FA NAc/OFC\_R | 0.358 (± 0.287) | 0.371 (± 0.31) |
| AD NAc/OFC\_R | 0.00112 (0.000045) | 0.0011 (± 0.000038) |
| RD NAc/OFC\_R | 0.00064 (± 0.000039) | 0.00062 (0.000041) |

**Supplementary** **Table S2**

Descriptive statistics of the DTI measures