|  |  |
| --- | --- |
| **Network** | **sig\_age\_range** |
| Auditory |  |
| Cingulo-Opercular |  |
| Default | 12.3-15 |
| Dorsal Attention |  |
| Frontoparietal | 6-9.6|16.8-19 |
| Posterior Multimodal |  |
| Somatomotor | 6-14.5|14.8-22.8 |
| Visual1 |  |
| Visual2 |  |

**Significant difference in age smooths**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Group** | **Network** | **F** | **p** | **FDR\_q** | **sig\_change** | **sig\_difference** |
| 22qDel | Frontoparietal | 4.31 | 0.007 | 0.0375 | 9.4-12.5 | 6-10.4|15.8-20.4 |
| 22qDel | Somatomotor | 11.97 | 0.001 | 0.0127 | 6-22.7 | 6-14.3|14.6-22.8 |
| 22qDel | Cingulo Opercular | 8.7 | 0.004 | 0.0342 | 6-22.7 |  |
| 22qDel | Auditory | 7.15 | 0.008 | 0.0375 | 6-22.7 |  |
| 22qDel | Default | 1.72 | 0.13 | 0.282 |  | 7.2-7.9|13.3-14.1 |
| 22qDel | Dorsal Attention | 3.03 | 0.1 | 0.262 |  |  |
| 22qDel | Posterior Multimodal | 1.16 | 0.28 | 0.371 |  |  |
| 22qDel | Visual1 | 1.32 | 0.25 | 0.371 |  |  |
| 22qDel | Visual2 | 1.06 | 0.43 | 0.486 |  |  |
| TD | Frontoparietal | 0.02 | 0.98 | 0.98 |  | 6-10.4|15.8-20.4 |
| TD | Somatomotor | 0 | 0.98 | 0.98 |  | 6-14.3|14.6-22.8 |
| TD | Cingulo Opercular | 3.31 | 0.031 | 0.093 | 7.3-10.1 |  |
| TD | Auditory | 1.13 | 0.29 | 0.371 |  |  |
| TD | Default | 0.63 | 0.43 | 0.486 |  | 7.2-7.9|13.3-14.1 |
| TD | Dorsal Attention | 5.17 | 0.025 | 0.0891 | 6-22.7 |  |
| TD | Posterior Multimodal | 1.99 | 0.16 | 0.32 |  |  |
| TD | Visual1 | 1.66 | 0.22 | 0.371 |  |  |
| TD | Visual2 | 1.14 | 0.29 | 0.371 |  |  |

**Trio only**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Group** | **Network** | **F** | **p** | **FDR\_q** | **sig\_change** | **sig\_difference** |
| 22qDel | Frontoparietal | 5.96 | 0.002 | 0.0174 | 7.6-13.4 | 6-10.1|16.3-19.5 |
| 22qDel | Somatomotor | 9.09 | 0.003 | 0.0174 | 6-22.7 |  |
| 22qDel | Cingulo Opercular | 9.48 | 0.002 | 0.0174 | 6-22.7 |  |
| 22qDel | Auditory | 4.52 | 0.035 | 0.104 | 6-22.7 |  |
| 22qDel | Default | 2.8 | 0.019 | 0.0858 | 10.4-11.5|20.6-21.6 | 12.1-15 |
| 22qDel | Dorsal Attention | 2.38 | 0.067 | 0.151 |  |  |
| 22qDel | Posterior Multimodal | 0.04 | 0.85 | 0.846 |  |  |
| 22qDel | Visual1 | 2.59 | 0.11 | 0.197 |  |  |
| 22qDel | Visual2 | 1.22 | 0.27 | 0.442 |  |  |
| TD | Frontoparietal | 0.54 | 0.46 | 0.596 |  | 6-10.1|16.3-19.5 |
| TD | Somatomotor | 0.04 | 0.84 | 0.846 |  |  |
| TD | Cingulo Opercular | 4.46 | 0.024 | 0.0864 | 7.8-16.4 |  |
| TD | Auditory | 3.68 | 0.057 | 0.145 |  |  |
| TD | Default | 0.56 | 0.66 | 0.744 |  | 12.1-15 |
| TD | Dorsal Attention | 2.95 | 0.088 | 0.175 |  |  |
| TD | Posterior Multimodal | 0.24 | 0.63 | 0.744 |  |  |
| TD | Visual1 | 1.04 | 0.35 | 0.488 |  |  |
| TD | Visual2 | 1.01 | 0.32 | 0.473 |  |  |

**Winsorize 90%**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Group** | **Network** | **F** | **p** | **FDR\_q** | **sig\_change** | **sig\_difference** |
| 22qDel | Frontoparietal | 4.82 | 0.005 | 0.0331 | 7.9-12.4 | 6-9.4|17.5-18.7 |
| 22qDel | Somatomotor | 11.11 | 0.001 | 0.0184 | 6-22.7 | 6-14.5|14.8-22.8 |
| 22qDel | Cingulo Opercular | 9.72 | 0.002 | 0.019 | 6-22.7 |  |
| 22qDel | Auditory | 3.4 | 0.067 | 0.133 |  |  |
| 22qDel | Default | 2.38 | 0.049 | 0.111 | 20.7-21.4 | 12.3-14.8 |
| 22qDel | Dorsal Attention | 4.76 | 0.034 | 0.102 | 16.2-19.9 |  |
| 22qDel | Posterior Multimodal | 0.02 | 0.88 | 0.876 |  |  |
| 22qDel | Visual1 | 0.44 | 0.51 | 0.61 |  |  |
| 22qDel | Visual2 | 4.87 | 0.028 | 0.102 | 6-22.7 |  |
| TD | Frontoparietal | 0.65 | 0.42 | 0.585 |  |  |
| TD | Somatomotor | 0.09 | 0.76 | 0.805 |  | 6-9.4|17.5-18.7 |
| TD | Cingulo Opercular | 6.1 | 0.014 | 0.065 | 6-22.7 | 6-14.5|14.8-22.8 |
| TD | Auditory | 1.42 | 0.23 | 0.384 |  |  |
| TD | Default | 0.45 | 0.62 | 0.701 |  | 12.3-14.8 |
| TD | Dorsal Attention | 3.96 | 0.048 | 0.111 | 6-22.7 |  |
| TD | Posterior Multimodal | 0.49 | 0.49 | 0.61 |  |  |
| TD | Visual1 | 0.96 | 0.41 | 0.585 |  |  |
| TD | Visual2 | 2.57 | 0.11 | 0.198 |  |  |

**Percent\_udvarsme as covariate**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Group** | **Network** | **F** | **p** | **FDR\_q** | **sig\_change** | **sig\_difference** |
| 22qDel | Frontoparietal | 5.8500 | 0.002 | 0.0144 | 7.5-12.8 | 6-9.6|17-19 |
| 22qDel | Somatomotor | 10.7300 | 0.001 | 0.0144 | 6-22.7 | 6-14.5|14.8-22.8 |
| 22qDel | Cingulo Opercular | 8.3100 | 0.004 | 0.0264 | 6-22.7 |  |
| 22qDel | Auditory | 5.2900 | 0.023 | 0.1010 | 6-22.7 |  |
| 22qDel | Default | 2.4500 | 0.046 | 0.1370 | 20.9-21.4 | 12.3-14.8 |
| 22qDel | Dorsal Attention | 3.1200 | 0.081 | 0.1950 |  |  |
| 22qDel | Posterior Multimodal | 0.0200 | 0.890 | 0.9100 |  |  |
| 22qDel | Visual1 | 2.3000 | 0.130 | 0.2360 |  |  |
| 22qDel | Visual2 | 1.3600 | 0.250 | 0.4020 |  |  |
| TD | Frontoparietal | 1.0300 | 0.310 | 0.4480 |  | 6-9.6|17-19 |
| TD | Somatomotor | 0.0100 | 0.910 | 0.9100 |  | 6-14.5|14.8-22.8 |
| TD | Cingulo Opercular | 4.7000 | 0.031 | 0.1130 | 6-22.7 |  |
| TD | Auditory | 2.4500 | 0.120 | 0.2360 |  |  |
| TD | Default | 0.3000 | 0.770 | 0.8620 |  | 12.3-14.8 |
| TD | Dorsal Attention | 2.9700 | 0.086 | 0.1950 |  |  |
| TD | Posterior Multimodal | 0.2600 | 0.610 | 0.7350 |  |  |
| TD | Visual1 | 1.1400 | 0.320 | 0.4480 |  |  |
| TD | Visual2 | 0.6100 | 0.430 | 0.5590 |  |  |

**Controlling for antipsychotic medication**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Group** | **Network** | **F** | **p** | **FDR\_q** | **sig\_change** | **sig\_difference** |
| 22qDel | Frontoparietal | 5.7400 | 0.002 | 0.0250 | 7.6-12.9 | 6-9.6|17-18.7 |
| 22qDel | Somatomotor | 9.1700 | 0.003 | 0.0250 | 6-22.7 | 6-14.5|14.8-22.8 |
| 22qDel | Cingulo Opercular | 7.1200 | 0.008 | 0.0498 | 6-22.7 |  |
| 22qDel | Auditory | 4.9400 | 0.028 | 0.1040 | 8.9-19 |  |
| 22qDel | Default | 2.5000 | 0.033 | 0.1040 | 20.8-21.4 | 12.3-15 |
| 22qDel | Dorsal Attention | 2.4800 | 0.062 | 0.1600 |  |  |
| 22qDel | Posterior Multimodal | 0.0200 | 0.900 | 0.9550 |  |  |
| 22qDel | Visual1 | 2.1000 | 0.150 | 0.2680 |  |  |
| 22qDel | Visual2 | 1.1900 | 0.280 | 0.4310 |  |  |
| TD | Frontoparietal | 1.0000 | 0.320 | 0.4420 |  | 6-9.6|17-18.7 |
| TD | Somatomotor | 0.0000 | 0.960 | 0.9600 |  | 6-14.5|14.8-22.8 |
| TD | Cingulo Opercular | 4.5200 | 0.035 | 0.1040 | 6-22.7 |  |
| TD | Auditory | 2.5000 | 0.120 | 0.2310 |  |  |
| TD | Default | 0.4300 | 0.680 | 0.7650 |  | 12.3-15 |
| TD | Dorsal Attention | 3.0300 | 0.083 | 0.1870 |  |  |
| TD | Posterior Multimodal | 0.2800 | 0.600 | 0.7190 |  |  |
| TD | Visual1 | 1.2700 | 0.290 | 0.4310 |  |  |
| TD | Visual2 | 0.6000 | 0.440 | 0.5630 |  |  |

**Controlling for cardiac diagnosis**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Group** | **Network** | **F** | **p** | **FDR\_q** | **sig\_change** | **sig\_difference** |
| 22qDel | Frontoparietal | 0.63 | 0.49 | 0.617 |  |  |
| 22qDel | Somatomotor | 4.27 | 0.04 | 0.18 | 6-22.7 | 6-22.8 |
| 22qDel | Cingulo Opercular | 8.48 | 0.004 | 0.0737 | 6-22.7 |  |
| 22qDel | Auditory | 3.38 | 0.022 | 0.131 | 8.8-12.5 | 6-11.1|16.2-22.6 |
| 22qDel | Default | 0.01 | 0.91 | 0.912 |  |  |
| 22qDel | Dorsal Attention | 3.13 | 0.018 | 0.131 | 19.3-21.5 | 20.7-22.8 |
| 22qDel | Posterior Multimodal | 0.77 | 0.38 | 0.571 |  |  |
| 22qDel | Visual1 | 1.15 | 0.28 | 0.527 |  |  |
| 22qDel | Visual2 | 2.78 | 0.097 | 0.291 |  |  |
| TD | Frontoparietal | 0.36 | 0.55 | 0.62 |  |  |
| TD | Somatomotor | 3.41 | 0.066 | 0.239 |  | 6-22.8 |
| TD | Cingulo Opercular | 1.11 | 0.29 | 0.527 |  |  |
| TD | Auditory | 1.43 | 0.23 | 0.526 |  | 6-11.1|16.2-22.6 |
| TD | Default | 0.43 | 0.51 | 0.617 |  |  |
| TD | Dorsal Attention | 0.14 | 0.71 | 0.749 |  | 20.7-22.8 |
| TD | Posterior Multimodal | 1.56 | 0.21 | 0.526 |  |  |
| TD | Visual1 | 0.62 | 0.43 | 0.598 |  |  |
| TD | Visual2 | 0.94 | 0.33 | 0.544 |  |  |

**No GSR**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Group** | **Network** | **F** | **p** | **FDR\_q** | **sig\_change** | **sig\_difference** |
| 22qDel | motor | 9.1800 | 0.003 | 0.0339 | 6-22.7 |  |
| 22qDel | somatosensory | 4.6400 | 0.032 | 0.1310 | 6-22.7 |  |
| 22qDel | parietal | 2.3000 | 0.091 | 0.1550 | 9.5-9.9 | 6-8|14.1-15.5 |
| 22qDel | prefrontal | 2.6800 | 0.100 | 0.1550 |  |  |
| 22qDel | temporal | 4.4700 | 0.036 | 0.1310 | 6-22.7 | 19.7-22.8 |
| 22qDel | visual | 3.3400 | 0.069 | 0.1550 |  | 6-22.8 |
| TD | motor | 3.1100 | 0.080 | 0.1550 |  |  |
| TD | somatosensory | 4.1300 | 0.044 | 0.1310 | 6-22.7 |  |
| TD | parietal | 1.3900 | 0.240 | 0.3190 |  | 6-8|14.1-15.5 |
| TD | prefrontal | 0.7300 | 0.390 | 0.4290 |  |  |
| TD | temporal | 0.6200 | 0.490 | 0.4940 |  | 19.7-22.8 |
| TD | visual | 1.2500 | 0.270 | 0.3190 |  | 6-22.8 |

**Anatomical TCC**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Percent of Sample from Trio Scanner** | |  |
| **Visit** | **Control** | **22qDel** | **p-value (chi-squared)** |
| 1 | 72.5 | 73.8 | 1.000 |
| 2 | 83.3 | 66.7 | 0.233 |
| 3 | 100 | 41.7 | 0.092 |
| 4 | 0 | 0 |  |
| 5 | 0 | 0 |  |
| 6 | 0 | NA |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Control** | **22qDel** | **p-value** |
| Scanner, n (%) | prisma | 28 (25.9) | 39 (34.8) | 0.198 |
|  | trio | 80 (74.1) | 73 (65.2) |  |
| fMRI % movement, mean (SD) |  | 6.47 (9.67) | 9.10 (11.73) | 0.071 |
| Visit, n (%) | 1 | 69 (63.9) | 65 (58.0) | 0.467 |
|  | 2 | 30 (27.8) | 30 (26.8) |  |
|  | 3 | 5 (4.6) | 12 (10.7) |  |
|  | 4 | 2 (1.9) | 4 (3.6) |  |
|  | 5 | 1 (0.9) | 1 (0.9) |  |
|  | 6 | 1 (0.9) | 0 (0.0) |  |