Supplementary Material

Table S1

Whole Brain Group Differences per Condition of the Trust Game

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Condition | Region | Cluster size | MNI coordinates X Y Z | Hemi-sphere | *Z* | *p* |
| *Cooperative repayment, CHR > controls* |  |  |
|  | Frontal lateral gyrus | 29 | 27 | 13 | 33 | R | 4.16 | .25 |
|  |  |  | 32 | 16 | 25 |  | 3.62 |  |
|  | TPJ | 15 | 42 | -42 | 33 | R | 4.20 | .71 |
|  | Parahippocampus | 19 | -33 | -22 | -20 | L | 4.61 | .54 |
|  | Hippocampus |  | -38 | -15 | -18 | L | 3.41 |  |
|  | Posterior cingulate | 11 | 10 | -45 | 28 | R | 3.62 | .87 |
| *Cooperative repayment, controls > FEP* |  |  |  |  |  |
|  | Precuneus |  11 | -13 | -42 | 5 |  L | 4.02 | .87 |
| *Unfair investment, CHR > controls* |  |  |  |  |  |  |
|  | Frontal inferior gyrus | 28 | 47 | 21 | 28 | R | 3.56 | .40 |
|  | Frontal inferior gyrus  |  | 50 | 16 | 35 | R | 3.42 |  |
|  | Temporal middle gyrus | 19 | 52 | -62 | 23 | R | 4.13 | .15 |
|  | TPJ | 13 | 50 | -65 | 33 | R | 3.21 |  |
|  | TPJ | 25 | 57 | -40 | 35 | R | 3.62 | .48 |
|  |  |  | 50 | -45 | 38 | R | 3.15 |  |
|  | Middle cingulate | 23 |  2 | -40 | 40 | R | 3.69 | .54 |
|  | Posterior cingulate  | 29 | -1 | -47 | 23 | L | 3.85 | .38 |
|  | Precuneus |  | 7 | -45 | 20 | R | 3.53 |  |
| *Unfair investment, CHR > FEP* |  |  |  |  |  |  |  |
|  | Postcentral | 28 | 35 | -22 | 10 | R | 4.06 | .40 |
| *Unfair repayment, FEP > controls* |  |  |  |  |  |  |  |
|  | Supra marginal gyrus | 28 | 60 | -20 | 40 | R | 4.45 | .29 |
|  | Postcentral gyrus |  | 50 | -20 | 35 | R | 3.31 |  |
|  | Superior temporal pole | 12 | 50 | 16 | -15 | R | 4.24 | .84 |
|  | Occipital middle gyrus  | 13 | 30 | -80 | 35 | R | 3.43 | .80 |
|  | Occipital superior gyrus |  | 25 | -82 | 25 | R | 3.33 |  |
| *Unfair repayment, FEP > CHR* |  |  |  |  |  |  |  |
|  | Occipital middle gyrus | 16 | -26 | -85 | 3 | L | 3.62 | .68 |
|  | Occipital inferior gyrus | 21 | 40 | -85 | 0 | R | 3.60 | .49 |
|  | Occipital middle gyrus |  | 35 | -87 | 8 | R | 3.36 |  |
|  | Occipital middle gyrus | 10 | 30 | -80 | 35 | R | 3.52 | .91 |
| *Unfair repayment, CHR > controls* |  |  |  |  |  |  |  |
|  | Lingual gyrus | 10 | -1 | -70 | -5 | L | 3.80 | .91 |
| *Unfair repayment, CHR > FEP* |  |  |  |  |  |  |  |
|  | Middle cingulate | 14 | 20 | -22 | 45 | R | 3.97 | .76 |
| *Cooperative repayment > unfair repayment, CHR > controls* |  |  |  |
|  | Frontal middle gyrus | 23 | 35 | 26 | 23 | R | 3.61 | .39 |
|  | Frontal inferior operculum |  | 32 | 13 | 28 | R | 3.42 |  |
| *Cooperative repayment > unfair repayment, CHR > FEP* |  |  |
|  | Precuneus | 39 | -3 | -42 | 58 | L | 3.98 | .01 |
| *Cooperative repayment > unfair repayment, controls > FEP* |  |  |
|  | Occipital middle gyrus | 15 | 30 | -77 | 10 | R | 3.58 | .7 |
|  | Supplemental motor aria | 14 | 2 | -5 | 50 | R | 3.62 | .74 |
|  | Supplemental motor aria |  | -3 | -12 | 50 | L | 3.34 |  |
| *Unfair investment > cooperative investment, CHR > controls* |  |  |
|  | TPJ | 11 | 50 | -62 | 20 | R | 3.62 | .9 |
|  | ACC | 13 | 7 | 31 | 18 | R | 3.83 | .85 |
|  | Middle cingulate | 46 | -3 | -27 | 40 | L | 3.56 | .14 |
|  | Middle cingulate |  | 5 | -22 | 30 | R | 3.51 |  |
|  | Posterior cingulate | 31 | 2 | -47 | 20 | R | 4.10 | .34 |
|  | Precuneus | 16 | 2 | -52 | 38 | R | 3.61 | .75 |
|  | Precuneus |  | -3 | -50 | 50 | L | 3.24 |  |
| *Unfair investment > cooperative investment, CHR > FEP* |  |  |
|  | Occipital middle gyrus | 16 | 27 | -87 | 23 | R | 3.68 | .75 |

*Note:* FEP = first episode psychosis; CHR = clinical high-risk; MNI = Montreal Neurological Institute; TPJ = temporo-parietal junction; ACC = anterior cingulate cortex. All contrasts reported were performed at an uncorrected *p* = .001, with a cluster-size threshold of *k* = 10.