**Supplementary Table S1. Diagnosis of SCZ patients**

|  |  |
| --- | --- |
|  | **Number (%)** |
| **Schizophrenia** | **703 (73.8%)** |
| **Schizo-affective disorder** | **113 (11.9%)** |
| **Substance-induced psychotic disorder** | **7 (0.7%)** |
| **Brief psychotic disorder** | **129 (13.6%)** |

**Supplementary Table S2. Educational performance of BD-I patients, SCZ patients and controls older than 34 years**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Threshold** | **Highest completed**  **Education** | **BD-I patients versus controls** | **SCZ patients versus controls** | **BD-I patients versus SCZ patients** |
| **1** | **Intermediate secondary education** | 1.36 [1.12-2.38] | 0.17 [0.13-0.32]\* | 8.27 [6.25-18.62]\* |
| **2** | **Intermediate professional education** | 1.08 [0.94-1.65] | 0.25 [0.21-0.42]\* | 4.86 [3.94-8.95]\* |
| **3** | **High preparatory vocational and pre-university** | 1.32 [1.18-1.84] | 0.44 [0.38-0.67]\* | 3.26 [2.75-5.36]\* |
| **4** | **Bachelor** | 1.38 [1.24-1.90] | 0.48 [0.41-0.74]\* | 3.18 [2.68-5.21]\* |
| **5** | **University** | 2.53 [2.17-3.96]\* | 0.78 [0.62-1.48] | 4.04 [3.22-7.82]\* |

\*Does not include unity

**Supplementary Table S3. The association of familial vulnerability with educational performance in siblings without BD or a psychotic illness**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Threshold** | **Highest completed education** | **BD-I siblings versus  SCZ siblings**  OR and 95% CI | **BD-I siblings versus control siblings**  OR and 95% CI | **SCZ siblings versus control siblings**  OR and 95% CI |
| **1** | **Intermediate secondary education** | 1.72 [0.95-9.59]1 | 0.46 [0.08-77.89]1 | 0.25 [0.05-21.49]1 |
| **2** | **Intermediate professional education** | 0.43 [0.33-0.94] | 0.37 [0.27-0.95] | 0.92 [0.74-1.69] |
| **3** | **High preparatory vocational and pre-university** | 1.15 [0.94-2.06] | 0.73 [0.57-1.46] | 0.64 [0.54-1.03] |
| **4** | **Bachelor** | 0.60 [0.49-1.11] | 0.87 [0.68-1.83] | 1.46 [1.21-2.54] |
| **5** | **University** | 0.47 [0.19-6.36] | 1.01 [0.29-38.33] | 2.12 [0.75-43.46] |

1Age was left out due to problems converging the models

\*Does not include unity

**Supplementary Table S4. Educational performance in parents compared to 600 random controls**

|  |  |  |  |
| --- | --- | --- | --- |
| **Threshold** | **Highest completed**  **education** | **BD-I parents versus random controls**  Median OR and 95% CI | **SCZ parents versus random controls**  Median OR and 95% CI |
| **1** | **Intermediate secondary education** | 0.70 [0.52-1.65] | 0.31 [0.26-0.56]\* |
| **2** | **Intermediate professional education** | 0.52 [0.42-0.98] | 0.39 [0.33-0.59]\* |
| **3** | **High preparatory vocational and pre-university** | 0.90 [0.74-1.57] | 0.48 [0.42-0.68]\* |
| **4** | **Bachelor** | 0.83 [0.69-1.45] | 0.64 [0.56-0.91] |
| **5** | **University** | 0.63 [0.48-1.43] | 0.68 [0.57-1.16] |

\*Does not include unity

**Figure S1. Flowchart of participants**

**Bipolar Genetics:** **GROUP:**  **CannabisQuest:**

540 BD-I patients 970 SCZ patients 483 Controls

135 Parents of BD-I patients 896 Parents of SCZ patients

162 Siblings of BD-I patients 1,039 Siblings of SCZ patients

193 Controls 476 Controls

101 siblings of controls

**Excluded controls:**

-8 controls with a diagnosis of BD or any psychotic disorder

- 37 controls with first-degree relatives with a diagnosis of BD or any psychotic disorder

- 1 control experienced a depressive episode during the interview

- 2 controls with a somatic illness that could have influenced the results

- 1 control sibling with a diagnosis of a psychotic disorder

**Excluded family members:**

- 1 BD sibling was not euthymic during the interview

**Excluded patients:**

- 2 patients had prior experience with the WAIS

- 8 patients with a somatic illness that could have influenced the results

- 36 BD-I patients that were not euthymic during the interview

- 18 patients did not fulfill criteria for a schizophrenia spectrum disorder

**Participants included in analyses IQ:**

494 BD-I patients 135 parents of BD-I patients

952 SCZ patients 896 parents of SCZ patients

161 siblings of BD-I patients 1,039 siblings of SCZ patients

1,104 controls 100 siblings of controls

**Missing data on level of education:**

24 BD-I patients 5 Parents of BD-I patients

8 SCZ patients 54 Parents of SCZ patients

56 Controls 6 Siblings of BD-I patients

17 Siblings of SCZ patients

**Missing data on age at onset:**

9 BD-I patients

6 SCZ patients

**Participants included in analyses level of education:**

470 BD-I patients

944 SCZ patients

130 parents of BD-I patients

842 parents of SCZ patients

155 siblings of BD-I patients

1,022 siblings of SCZ patients

1,048 controls

100 siblings of controls