**Table S1.** Averaged clinical data for schizophrenia patients included in the study.

| The number of patients | Diagnosis* | Sex | Age, years | Disease duration, years | Positive and Negative Syndrome Scale (PANSS) Scores** | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | PANSS Positive $\alpha$ 1 | PANSS Negative $\beta$ 2 | Composite index $\gamma$ | PANSS General $\Delta$ 3 | PANSS Total $\varepsilon$ $\sum$1+2+3 |
| **Patients with Leading Positive Symptoms** | | | | | | | | | |
| 22 | F20.00 – 6 patients; F20.01 – 11 patients; F20.02 – 1 patients; F20.09 – 2 patients; F20.6 – 2 patients | 11M/ 11F | 41,2 ± 11,3 | 15,0 ± 9,1 | 20,2 ± 8,3 | 17,1 ± 7,3 | 4,2 ± 7,0 | 40,5 ± 12,6 | 82,2 ± 25,6 |
| **Patients with Negative Positive Symptoms** | | | | | | | | | |
| 28 | F20.00 – 5 patients; F20.01 – 3 patients; F20.02 – 10 patients; F20.09 – 6 patients; F20.6 – 4 patients | 10M/ 18F | 37,0 ± 9,5 | 12,9 ± 7,8 | 12,1 ± 5,6 | 19,9 ± 5,1 | -7,8 ± 6,7 | 36,3 ± 8,9 | 68,6 ± 15,7 |
| **Average values for total group of patients** | | | | | | | | | |
| 50 | F20.00 – 11 patients; F20.01 – 14 patients; F20.02 – 11 patients; F20.09 – 8 patients; F20.6 – 6 patients | 21M/ 29F | 38,8 ± 10,4 | 13,8 ± 8,4 | 15,6 ± 7,9 | 20,4 ± 6,1 | -0,9 ± 7,6 | 38,1 ± 10,7 | 74,5 ± 21,4 |

\* In accordance with International Statistical Classification of Diseases and Related Health Problems (ICD-10)

\*\* Symptom severity of patients with schizophrenia was assessed according to "The positive and negative syndrome scale (PANSS)" (Kay, S. R., Fiszbein, A., & Opler, L. A. (1987). The positive and negative syndrome scale (PANSS) for schizophrenia. Schizophrenia bulletin, 13(2), 261-276 [47]).

$\alpha$ PANSS Positive – positive syndrome scale, which refer to an excess of normal mental functions. It includes symptoms such as delirium, thinking disorders, hallucinations, agitation, ideas of greatness, suspicion and ideas of persecution, hostility.

$\beta$ PANSS Negative – negative syndrome scale, which represent a diminution or loss of normal mental functions. It includes symptoms such as decreased emotionality, emotional fencing, difficulty communicating, decreased initiative, impaired abstract thinking, impaired spontaneity and smooth speech, stereotyped thinking.

$\gamma$ Composite index – the difference between the PANSS Positive scale scores and PANSS Negative scale scores that reveals the prevailing symptoms.

$\Delta$ PANSS General – general psychopathology scale, which assesses the general aspects of psychopathology and the severity of schizophrenia. It includes symptoms such as anxiety, guilt, tension, agility and posing, depression, motor lethargy, complaints of physical health, lack of communication, the presence of eccentric thoughts, disorientation, impaired attention, a breakdown of will, impulsiveness and aggressiveness and others.

$\varepsilon$ PANSS Total – total points on PANSS Positive scale, PANSS Negative scale and PANSS General scale.