

**Supplementary Table 1.** Correlation between SCoRS items and MCCB items

| Spearman correlation coefficient , N=56    |                     |                     |                |                 |                 |                               |                  |                 |
|--|---------------------|---------------------|----------------|-----------------|-----------------|-------------------------------|------------------|-----------------|
| H0: under the assumption of Rho=0, Prob> r |                     |                     |                |                 |                 |                               |                  |                 |
|  | MCCB                |                     |                |                 |                 |                               |                  |                 |
|  | Speed of processing | Attention/vigilance | Working memory | Verbal learning | Visual learning | Reasoning and problem solving | Social cognition | Composite score |
| SCoRS_1                                    | -0.3589             | -0.1948             | -0.3044        | -0.2738         | -0.2945         | -0.2428                       | -0.2459          | -0.3716         |
|  | 0.0066              | 0.1503              | 0.0226         | 0.0412          | 0.0276          | 0.0714                        | 0.0678           | 0.0048          |
| SCoRS_2                                    | -0.3387             | -0.3098             | -0.2815        | -0.2607         | -0.2905         | -0.4021                       | -0.2517          | -0.3762         |
|  | 0.0107              | 0.0201              | 0.0356         | 0.0523          | 0.0299          | 0.0021                        | 0.0613           | 0.0043          |
| SCoRS_3                                    | -0.3338             | -0.2183             | -0.2985        | -0.2598         | -0.2245         | -0.2279                       | -0.1518          | -0.3300         |
|  | 0.0119              | 0.1060              | 0.0255         | 0.0532          | 0.0962          | 0.0911                        | 0.2642           | 0.0130          |
| SCoRS_4                                    | -0.3197             | -0.0944             | -0.1512        | -0.1288         | -0.1426         | -0.1765                       | -0.1441          | -0.2230         |
|  | 0.0163              | 0.4891              | 0.2661         | 0.3443          | 0.2946          | 0.1931                        | 0.2893           | 0.0985          |
| SCoRS_5                                    | -0.3102             | -0.2399             | -0.1890        | -0.1559         | -0.2769         | -0.1425                       | -0.1659          | -0.2996         |
|  | 0.0200              | 0.0750              | 0.1631         | 0.2512          | 0.0389          | 0.2949                        | 0.2218           | 0.0249          |
| SCoRS_6                                    | -0.3779             | -0.2658             | -0.2257        | -0.2328         | -0.2264         | -0.1307                       | -0.2401          | -0.3343         |
|  | 0.0041              | 0.0477              | 0.0944         | 0.0843          | 0.0934          | 0.337                         | 0.0747           | 0.0118          |
| SCoRS_7                                    | -0.3176             | -0.2128             | -0.1949        | -0.2198         | -0.1233         | -0.1639                       | -0.0762          | -0.2432         |
|  | 0.0171              | 0.1154              | 0.1499         | 0.1036          | 0.3651          | 0.2274                        | 0.5768           | 0.0709          |
| SCoRS_8                                    | -0.3223             | -0.2140             | -0.2425        | -0.2374         | -0.1119         | -0.3012                       | -0.0801          | -0.2862         |
|  | 0.0154              | 0.1133              | 0.0718         | 0.0782          | 0.4115          | 0.0241                        | 0.5574           | 0.0325          |
| SCoRS_9                                    | -0.4518             | -0.1897             | -0.1917        | -0.3106         | -0.2364         | -0.2489                       | -0.2173          | -0.3696         |
|  | 0.0005              | 0.1615              | 0.157          | 0.0198          | 0.0794          | 0.0643                        | 0.1077           | 0.0051          |
| SCoRS_10                                   | -0.4378             | -0.3257             | -0.2599        | -0.3835         | -0.0676         | -0.2797                       | -0.0658          | -0.3641         |
|  | 0.0007              | 0.0143              | 0.053          | 0.0035          | 0.6205          | 0.0368                        | 0.63             | 0.0058          |
| SCoRS_11                                   | -0.3271             | -0.1971             | -0.2719        | -0.2851         | -0.2330         | -0.1685                       | -0.2104          | -0.3388         |
|  | 0.0139              | 0.1455              | 0.0427         | 0.0332          | 0.084           | 0.2146                        | 0.1196           | 0.0106          |
| SCoRS_12                                   | -0.4853             | -0.5075             | -0.4722        | -0.4264         | -0.5263         | -0.3718                       | -0.3135          | -0.5894         |
|  | 0.0002              | <0.0001             | 0.0002         | 0.0011          | <0.0001         | 0.0048                        | 0.0186           | <0.0001         |
| SCoRS_13                                   | -0.3457             | -0.2176             | -0.1785        | -0.3758         | -0.1945         | -0.2799                       | -0.2288          | -0.3446         |
|  | 0.0091              | 0.1071              | 0.188          | 0.0043          | 0.1509          | 0.0367                        | 0.0898           | 0.0093          |
| SCoRS_14                                   | -0.4209             | -0.3371             | -0.2260        | -0.1683         | -0.1423         | -0.2346                       | -0.2733          | -0.3743         |
|  | 0.0012              | 0.0111              | 0.0939         | 0.2151          | 0.2956          | 0.0819                        | 0.0416           | 0.0045          |
| SCoRS_15                                   | -0.3294             | -0.3291             | -0.2727        | -0.3225         | -0.1402         | -0.2415                       | -0.2155          | -0.3766         |
|  | 0.0132              | 0.0133              | 0.042          | 0.0154          | 0.3028          | 0.0729                        | 0.1106           | 0.0042          |
| SCoRS_16                                   | -0.3650             | -0.3274             | -0.2381        | -0.2547         | -0.1637         | -0.2108                       | -0.0735          | -0.3096         |
|  | 0.0057              | 0.0138              | 0.0773         | 0.0582          | 0.2279          | 0.1189                        | 0.5902           | 0.0202          |
| SCoRS_17                                   | -0.3947             | -0.2898             | -0.3109        | -0.1895         | -0.1994         | -0.2550                       | -0.0784          | -0.3560         |
|  | 0.0026              | 0.0303              | 0.0197         | 0.162           | 0.1406          | 0.0579                        | 0.5657           | 0.0071          |
| SCoRS_18                                   | -0.2720             | -0.1022             | -0.2136        | -0.3172         | -0.2244         | -0.3813                       | -0.1760          | -0.3047         |
|  | 0.0425              | 0.4538              | 0.1139         | 0.0172          | 0.0963          | 0.0037                        | 0.1945           | 0.0224          |
| SCoRS_19                                   | -0.2795             | -0.2055             | -0.2664        | -0.2653         | -0.3721         | -0.2269                       | -0.1580          | -0.3338         |
|  | 0.0370              | 0.1286              | 0.0472         | 0.0482          | 0.0047          | 0.0926                        | 0.2449           | 0.0119          |
| SCoRS_20                                   | -0.4299             | -0.2438             | -0.2424        | -0.2402         | -0.2410         | -0.2863                       | -0.1718          | -0.3622         |
|  | 0.0009              | 0.0702              | 0.0719         | 0.0746          | 0.0736          | 0.0324                        | 0.2055           | 0.0061          |
| ScoRS_total score                          | -0.48075            | -0.31176            | -0.27879       | -0.33384        | -0.2443         | -0.31637                      | -0.24115         | -0.43589        |
|  | 0.0002              | 0.0193              | 0.0375         | 0.0119          | 0.0696          | 0.0175                        | 0.0734           | 0.0008          |
| SCoRS_global score                         | -0.44472            | -0.37421            | -0.38206       | -0.50599        | -0.40889        | -0.36938                      | -0.2905          | -0.51783        |
|  | 0.0006              | 0.0045              | 0.0037         | <0.0001         | 0.0018          | 0.0051                        | 0.0299           | <0.0001         |

MCCB: Measurement and Treatment Research to Improve Cognition in Schizophrenia (MATRICS) Consensus Cognitive Battery, SCoRS: Schizophrenia Cognition Rating Scale