Table S1: Association of cognitive test scores and symptom severity in 50 patients with schizophrenia

<table>
<thead>
<tr>
<th>Variable</th>
<th>Positive symptoms</th>
<th>Negative symptoms</th>
<th>General symptoms</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACS Composite score</td>
<td>–0.235, 0.11</td>
<td>–0.432, 0.002</td>
<td>–0.288, 0.047</td>
</tr>
<tr>
<td>Verbal memory</td>
<td>–0.118, 0.43</td>
<td>–0.353, 0.014</td>
<td>–0.163, 0.27</td>
</tr>
<tr>
<td>Working memory</td>
<td>–0.058, 0.70</td>
<td>–0.296, 0.041</td>
<td>–0.148, 0.32</td>
</tr>
<tr>
<td>Motor speed</td>
<td>–0.271, 0.06</td>
<td>–0.306, 0.035</td>
<td>–0.253, 0.08</td>
</tr>
<tr>
<td>Word fluency</td>
<td>–0.065, 0.66</td>
<td>–0.372, 0.009</td>
<td>–0.156, 0.29</td>
</tr>
<tr>
<td>Attention processing speed</td>
<td>–0.166, 0.26</td>
<td>–0.402, 0.005</td>
<td>–0.168, 0.25</td>
</tr>
<tr>
<td>Executive function</td>
<td>–0.196, 0.18</td>
<td>–0.104, 0.482</td>
<td>–0.137, 0.35</td>
</tr>
</tbody>
</table>

BACS = Brief Assessment of Cognition in Schizophrenia.
*Partial correlations controlled with age and sex were used.

Fig. S1: Model 1 shows the total effect (c) of the Positive and Negative Syndrome Scale (PANSS) total score on musical ability made up of a direct effect without accounting for the Brief Assessment of Cognition in Schizophrenia (BACS) composite score (c’) and an indirect effect via the cognitive composite score (ab). Models 2 and 3 are based on a multiple predictor variable study using the PANSS scores for positive and negative symptoms. The figure shows the total effect (c) and direct effect (c’) of each PANSS symptoms score on musical ability. *p < 0.05; **p < 0.01.