**Supplementary Table 5.** Negative Correlations Between Activity During Imitation of Emotional Expressions and Subjects’ Scores on the Social Subscales of the ADOS and ADI

<table>
<thead>
<tr>
<th>Anatomical Region</th>
<th>BA</th>
<th>H</th>
<th>x</th>
<th>y</th>
<th>z</th>
<th>t</th>
<th>x</th>
<th>y</th>
<th>z</th>
<th>t</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inferior Frontal Gyrus</td>
<td>44</td>
<td>L</td>
<td>-36</td>
<td>-12</td>
<td>-10</td>
<td>3.02</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>R</td>
<td>44</td>
<td>18</td>
<td>22</td>
<td>4.56</td>
<td>-54</td>
<td>8</td>
<td>12</td>
<td>5.43</td>
</tr>
<tr>
<td>Insula</td>
<td></td>
<td>R</td>
<td>28</td>
<td>16</td>
<td>12</td>
<td>4.03</td>
<td>28</td>
<td>14</td>
<td>14</td>
<td>4.02</td>
</tr>
<tr>
<td>Amygdala</td>
<td></td>
<td>L</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>R</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caudate</td>
<td></td>
<td>L</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>R</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Putamen</td>
<td></td>
<td>L</td>
<td>16</td>
<td>-10</td>
<td>10</td>
<td>3.14</td>
<td>-20</td>
<td>-12</td>
<td>6</td>
<td>8.45</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R</td>
<td>28</td>
<td>12</td>
<td>4</td>
<td>3.28</td>
<td>18</td>
<td>-8</td>
<td>6</td>
<td>5.15</td>
</tr>
<tr>
<td>Globus Pallidum</td>
<td></td>
<td>L</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>R</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\( P < 0.05, \) corrected for multiple comparisons, cluster level, \( P < 0.01, \) voxel level.

BA refers to putative Brodmann Area; L and R refer to left and right hemispheres; x, y, and z refer to the Talairach coordinates corresponding to the left-right, anterior-posterior, and inferior-superior axes, respectively; \( t \) refers to the highest \( t \) score within a region.