Supplementary Table 3: Regions whose activation exhibited a significant across-subjects correlation with altruism in Experiment 1.

<table>
<thead>
<tr>
<th>Region</th>
<th>Correlations with Derived Altruism</th>
<th>Correlations with Full-Scale Altruism</th>
<th>Stepwise Regression (ps)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C x Ch</td>
<td>C x S</td>
<td>S x Ch</td>
</tr>
<tr>
<td><strong>Subject-Receiving</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Left Temp.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Left pSTSa</td>
<td>-</td>
<td>0.42</td>
<td>-</td>
</tr>
<tr>
<td>Right pSTS</td>
<td>-</td>
<td></td>
<td>0.50</td>
</tr>
<tr>
<td><strong>Charity-Receiving</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Left pSTS</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Right pSTS</td>
<td>-</td>
<td>0.40</td>
<td>-</td>
</tr>
</tbody>
</table>

Listed are regions for which the difference in fMRI activation between Watching and Playing was significantly correlated with our derived altruism measure ($p < 0.05$, shown in column “Watch > Play”). We found four foci of activation that fit this criterion in the subject-receiving condition and five in the charity-receiving condition. Of these regions, only the right pSTC activation was significantly correlated at a significance level of $p < 0.01$ (indicated in boldface). Stepwise regression analyses revealed that the right pSTC was the only region whose activation made a significant independent contribution to predicting subjects’ altruism (all $ps \leq 0.02$). For completeness, we have also included all cases in which the activation in an individual trial type was significantly correlated with altruism. The trial types are coded in the table as Player x Recipient; e.g., a Watching and subject-receiving trial is coded as “Computer for Subject” or “C x S”. We have also included the correlations with the full-scale SRAS to demonstrate that the effects are not an artifact of the particular questions selected.