Table S1. Rejected trials for each condition.

<table>
<thead>
<tr>
<th>Task</th>
<th>Target Position</th>
<th>Total</th>
<th>Rejected</th>
<th>% Rejected</th>
<th>Rejected 2</th>
<th>% Rejected 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Familiar Face vs. Object</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall</td>
<td></td>
<td>1134</td>
<td>70</td>
<td>6.17</td>
<td>228</td>
<td>20.11</td>
</tr>
<tr>
<td>Left</td>
<td></td>
<td>567</td>
<td>32</td>
<td>5.64</td>
<td>111</td>
<td>19.58</td>
</tr>
<tr>
<td>Right</td>
<td></td>
<td>567</td>
<td>38</td>
<td>6.70</td>
<td>117</td>
<td>20.63</td>
</tr>
<tr>
<td><strong>Object vs. Familiar Face</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall</td>
<td></td>
<td>1134</td>
<td>38</td>
<td>3.35</td>
<td>197</td>
<td>17.37</td>
</tr>
<tr>
<td>Left</td>
<td></td>
<td>567</td>
<td>19</td>
<td>3.35</td>
<td>99</td>
<td>17.46</td>
</tr>
<tr>
<td>Right</td>
<td></td>
<td>567</td>
<td>19</td>
<td>3.35</td>
<td>98</td>
<td>17.28</td>
</tr>
<tr>
<td><strong>Unknown Face vs. Object</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall</td>
<td></td>
<td>1134</td>
<td>55</td>
<td>4.85</td>
<td>55</td>
<td>4.85</td>
</tr>
<tr>
<td>Left</td>
<td></td>
<td>567</td>
<td>25</td>
<td>4.41</td>
<td>25</td>
<td>4.41</td>
</tr>
<tr>
<td>Right</td>
<td></td>
<td>567</td>
<td>30</td>
<td>5.29</td>
<td>30</td>
<td>5.29</td>
</tr>
<tr>
<td><strong>Object vs. Unknown Face</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall</td>
<td></td>
<td>1134</td>
<td>46</td>
<td>4.06</td>
<td>46</td>
<td>4.06</td>
</tr>
<tr>
<td>Left</td>
<td></td>
<td>567</td>
<td>27</td>
<td>4.76</td>
<td>27</td>
<td>4.76</td>
</tr>
<tr>
<td>Right</td>
<td></td>
<td>567</td>
<td>19</td>
<td>3.35</td>
<td>19</td>
<td>3.35</td>
</tr>
<tr>
<td><strong>Familiar Face vs. Unknown Face</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall</td>
<td></td>
<td>1134</td>
<td>54</td>
<td>4.76</td>
<td>215</td>
<td>18.96</td>
</tr>
<tr>
<td>Left</td>
<td></td>
<td>567</td>
<td>28</td>
<td>4.94</td>
<td>109</td>
<td>19.22</td>
</tr>
<tr>
<td>Right</td>
<td></td>
<td>567</td>
<td>26</td>
<td>4.59</td>
<td>106</td>
<td>18.69</td>
</tr>
<tr>
<td><strong>Unknown Face vs. Familiar Face</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall</td>
<td></td>
<td>1134</td>
<td>134</td>
<td>11.82</td>
<td>273</td>
<td>24.07</td>
</tr>
<tr>
<td>Left</td>
<td></td>
<td>567</td>
<td>72</td>
<td>12.70</td>
<td>143</td>
<td>25.22</td>
</tr>
<tr>
<td>Right</td>
<td></td>
<td>567</td>
<td>62</td>
<td>10.93</td>
<td>130</td>
<td>22.93</td>
</tr>
</tbody>
</table>

*Note: The first Rejected column reports the number of trials rejected because the subject anticipated a saccade in the first 80ms, did not maintain fixation in the first 80ms of the trial, or failed to return to fixation before the trial started. The second Rejected column reports the number of trials rejected as in the first column, plus all the trials containing a familiar face that was darker than the other ones (one target identity for three subjects, see text for details).*