### Supplementary Table 1.

Parameter values for fits of a power function ($y = Ax^B + C$) for the relationship between coherence thresholds and stimulus suprathreshold contrast (Figures 7 and 8) where $A$, $B$, and $C$ are constants.

<table>
<thead>
<tr>
<th>Luminances</th>
<th>RH central, 0.5c/d</th>
<th>4.2deg/s</th>
<th>RH periph, 0.5c/d</th>
<th>4.2deg/s</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 cd/m²</td>
<td>43.49 (±44.45)</td>
<td>-3.42 (±0.73)</td>
<td>19.33 (±1.66)</td>
<td>17.11 (±1.91)</td>
</tr>
<tr>
<td>0.5 cd/m²</td>
<td>53.23 (±53.13)</td>
<td>-3.48 (±0.71)</td>
<td>17.11 (±1.91)</td>
<td>17.11 (±1.91)</td>
</tr>
<tr>
<td>50 cd/m²</td>
<td>43.79 (±41.88)</td>
<td>-3.56 (±0.35)</td>
<td>13.81 (±0.39)</td>
<td>13.81 (±0.39)</td>
</tr>
<tr>
<td>0.5 cd/m²</td>
<td>50.35 (±50.35)</td>
<td>-2.09 (±0.40)</td>
<td>11.9 (±1.17)</td>
<td>11.9 (±1.17)</td>
</tr>
<tr>
<td>50 cd/m²</td>
<td>96.01 (±14.3)</td>
<td>-1.19 (±3.3)</td>
<td>12.8 (±0.39)</td>
<td>12.8 (±0.39)</td>
</tr>
<tr>
<td>0.5 cd/m²</td>
<td>43.9 (±43.9)</td>
<td>-2.09 (±0.40)</td>
<td>11.9 (±1.17)</td>
<td>11.9 (±1.17)</td>
</tr>
<tr>
<td>50 cd/m²</td>
<td>115.21 (±11.5)</td>
<td>-6.91 (±0.37)</td>
<td>10.65 (±0.24)</td>
<td>10.65 (±0.24)</td>
</tr>
<tr>
<td>0.16 cd/m²</td>
<td>76.0 (±43.71)</td>
<td>-5.89 (±1.83)</td>
<td>11.56 (±1.11)</td>
<td>11.56 (±1.11)</td>
</tr>
<tr>
<td>50 cd/m²</td>
<td>27.7 (±27.7)</td>
<td>-2.6 (±0.2)</td>
<td>11.35 (±0.17)</td>
<td>11.35 (±0.17)</td>
</tr>
<tr>
<td>1.6 cd/m²</td>
<td>26.6 (±44.4)</td>
<td>-2.0 (±0.4)</td>
<td>11.3 (±0.5)</td>
<td>11.3 (±0.5)</td>
</tr>
<tr>
<td>50 cd/m²</td>
<td>21.6 (±40.76)</td>
<td>-2.2 (±0.17)</td>
<td>9.9 (±0.3)</td>
<td>9.9 (±0.3)</td>
</tr>
<tr>
<td>0.5 cd/m²</td>
<td>38.4 (±37.2)</td>
<td>-5.2 (±1.84)</td>
<td>11.47 (±1.46)</td>
<td>11.47 (±1.46)</td>
</tr>
<tr>
<td>50 cd/m²</td>
<td>180.62 (±18.5)</td>
<td>-5.5 (±0.25)</td>
<td>11.75 (±0.16)</td>
<td>11.75 (±0.16)</td>
</tr>
<tr>
<td>0.5 cd/m²</td>
<td>74.5 (±21)</td>
<td>-2.89 (±0.68)</td>
<td>11.75 (±0.16)</td>
<td>11.75 (±0.16)</td>
</tr>
<tr>
<td>50 cd/m²</td>
<td>44.6 (±27.3)</td>
<td>-2.0 (±0.83)</td>
<td>8.07 (±4.19)</td>
<td>8.07 (±4.19)</td>
</tr>
<tr>
<td>0.16 cd/m²</td>
<td>37.3 (±33.61)</td>
<td>-2.41 (±0.64)</td>
<td>9.26 (±2.36)</td>
<td>9.26 (±2.36)</td>
</tr>
</tbody>
</table>