A. 

**Phalloidin** | **Myc** | **Hoechst** | **Merge**
---|---|---|---
Ctrl | ![Image](image1.png) | ![Image](image2.png) | ![Image](image3.png)
Ctrl + Myc-HDAC6 | ![Image](image4.png) | ![Image](image5.png) | ![Image](image6.png)
shTDP-43 | ![Image](image7.png) | ![Image](image8.png) | ![Image](image9.png)
shTDP-43 + Myc-HDAC6 | ![Image](image10.png) | ![Image](image11.png) | ![Image](image12.png)

B. 

**Neurites / Cell**

<table>
<thead>
<tr>
<th>Ctrl -</th>
<th>Ctrl +</th>
<th>shTDP -</th>
<th>shTDP +</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image13.png" alt="Image" /></td>
<td><img src="image14.png" alt="Image" /></td>
<td><img src="image15.png" alt="Image" /></td>
<td><img src="image16.png" alt="Image" /></td>
</tr>
</tbody>
</table>

C. 

**Nodes / Cell**

<table>
<thead>
<tr>
<th>Ctrl -</th>
<th>Ctrl +</th>
<th>shTDP -</th>
<th>shTDP +</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image17.png" alt="Image" /></td>
<td><img src="image18.png" alt="Image" /></td>
<td><img src="image19.png" alt="Image" /></td>
<td><img src="image20.png" alt="Image" /></td>
</tr>
</tbody>
</table>

D. 

**Mean Neurite Length [µm]**

<table>
<thead>
<tr>
<th>Ctrl -</th>
<th>Ctrl +</th>
<th>shTDP -</th>
<th>shTDP +</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image21.png" alt="Image" /></td>
<td><img src="image22.png" alt="Image" /></td>
<td><img src="image23.png" alt="Image" /></td>
<td><img src="image24.png" alt="Image" /></td>
</tr>
</tbody>
</table>