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The D-ring, Not the A-ring, Rotates in Synechococcus OS-B' Phytochrome

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UV-vis absorbance maxima ($\lambda_{\text{max}}$, nm) for the lowest energy ground state (after FR irradiation, underlined) and the spectral difference maximum after irradiation at the appropriate $\lambda_{\text{max}}$ for the native PCB and PΦB adducts and the $\lambda_{\text{max}}$ values for the same samples after denaturation in urea at pH 1.5.

<table>
<thead>
<tr>
<th>PCB adduct</th>
<th>Native</th>
<th>Denatured in acidic urea</th>
<th>PΦB adduct</th>
<th>Native</th>
<th>Denatured in acidic urea</th>
</tr>
</thead>
<tbody>
<tr>
<td>SyB.Cph2(GAF)</td>
<td>628 / 686</td>
<td>663 / 603</td>
<td>640 / 693</td>
<td>673 / 610</td>
<td></td>
</tr>
<tr>
<td>Cph1(PAS-GAF-PHY)</td>
<td>655 / 704</td>
<td>663 / 603</td>
<td>675 / 720</td>
<td>673 / 610</td>
<td></td>
</tr>
</tbody>
</table>