Supporting Information

The impact of molecular symmetry and shape on the stability of discotic liquid crystals

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Table S1. Calculated aspect ratios of mesogens.

<table>
<thead>
<tr>
<th>Compound</th>
<th>X (Å)</th>
<th>Y (Å)</th>
<th>Aspect Ratio (Y/X)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A(6)Q(6,10</td>
<td>6,10)</td>
<td>29.6</td>
<td>26.8</td>
</tr>
<tr>
<td>A(6)Q(6,10</td>
<td>10,6)</td>
<td>24.9</td>
<td>29.2</td>
</tr>
<tr>
<td>A(6)Q(10,6</td>
<td>6,10)</td>
<td>34.0</td>
<td>24.3</td>
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<td>26.8</td>
</tr>
<tr>
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<td>28.6</td>
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<td>30.5</td>
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DSC heating curves (1st heating cycle)

\[ A(6)Q(6,10|10,6) \]

\[ A(6)Q(6,10|6,10) \]

\[ A(6)Q(10,6|6,10) \]
$A(8)Q(6,10|10,6)$

$A(8)Q(6,10|6,10)$

$A(8)Q(10,6|6,10)$
$A(10)Q(6,10|10,6)$

$A(10)Q(6,10|6,10)$

$A(10)Q(10,6|6,10)$