Supporting information:

A Highly Sensitive and Versatile Chiral Sensor Based on Top-Gate Organic Field Effect Transistors Functionalized with Thiolated β-Cyclodextrin

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S-4 Table S1 Elemental composition of the gold electrode surface before and after SH-β-CD assembly from XPS wide energy survey.

S-4 Fig. S3 XPS fully scanned spectrum of the gold electrode surface before (a) and after (b) SH-β-CD assembly.

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Fig. S1 (a) Output (a) and (b) transfer characteristics of the top-gate OFET before and after it was immersed in water for 24 h.
Fig. S2 (a) Output and (b) transfer characteristics of the bottom-gate OFET with PMMA before and after it was immersed in water for 24 h.
Table S1 Elemental composition of the gold electrode surface before and after SH-β-CD assembly from XPS

<table>
<thead>
<tr>
<th>Sample</th>
<th>Atomic percentage (%)</th>
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<tbody>
<tr>
<td></td>
<td>C</td>
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<tr>
<td>SH-β-CD untreated</td>
<td>11.31</td>
</tr>
<tr>
<td>SH-β-CD treated</td>
<td>35.05</td>
</tr>
</tbody>
</table>

Fig. S3 XPS fully scanned spectrum of the gold electrode surface before (a) and after (b) SH-β-CD assembly.
Fig. S4 Output characteristic curves of the OFET with and without SH-β-CD.
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