**Figure S6**

**A**

Bar graph showing coel-1 mRNA expression levels between WT and coel-1(XS).

**B**

Table showing embryonic lethality and AVM/PVM number defect:

<table>
<thead>
<tr>
<th></th>
<th>WT</th>
<th>coel-1XS</th>
<th>coel-1(nxEx445)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Embryonic lethality</td>
<td>0.9% (n=332)</td>
<td>50% (n=211)</td>
<td>16.5% (n=103)</td>
</tr>
<tr>
<td>AVM/PVM number defect</td>
<td>0% (n=100)</td>
<td>32% (n=130)</td>
<td>22% (n=76)</td>
</tr>
</tbody>
</table>

**C**

Bar graph showing the number of eggs laid/worm:

**D**

Bar graph showing % of touch responsiveness.

**E**

Diagram showing QL, Q, AQR, AVM, SDQR, QR, PQR, PVM, SDQL.

**F**

Bar graph showing % of AQR/PQR cell number defect:

<table>
<thead>
<tr>
<th></th>
<th>WT</th>
<th>coel-1XS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>2</td>
</tr>
</tbody>
</table>

Legend:

- 2
- 0

(* indicates significance level.*