### Table S3 Strength of eat-6 mutant phenotypes

<table>
<thead>
<tr>
<th>Genotype</th>
<th>Starved appearance</th>
<th>Pharangeal function (pumps/10s)</th>
<th>Adult perimeter (µm)</th>
<th>EHC sensitivity</th>
<th>Speed off food (µm/s)</th>
<th>Aldicarb sensitivity (1 mM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N2</td>
<td>No</td>
<td>40.2 ± 1.3</td>
<td>2203.3 ± 29.1</td>
<td>wild-type</td>
<td>190.2 ± 6.9</td>
<td>wild-type</td>
</tr>
<tr>
<td>eat-6(eg200)</td>
<td>No</td>
<td>30.7 ± 1.3</td>
<td>2087.0 ± 18.7</td>
<td>↑↑↑</td>
<td>100.1 ± 4.0</td>
<td>↑↑↑</td>
</tr>
<tr>
<td>eat-6(ad601)</td>
<td>No</td>
<td>32.7 ± 0.5</td>
<td>2155.9 ± 24.5</td>
<td>↑</td>
<td>149.5 ± 3.4</td>
<td>↑</td>
</tr>
<tr>
<td>eat-6(ad467)</td>
<td>Yes</td>
<td>21.8 ± 0.9</td>
<td>1634.7 ± 58.3</td>
<td>wild-type</td>
<td>162.5 ± 4.1</td>
<td>↑</td>
</tr>
<tr>
<td>eat-6(ad997)</td>
<td>Yes</td>
<td>22.8 ± 1.5</td>
<td>1582.1 ± 28.8</td>
<td>wild-type</td>
<td>189.6 ± 7.0</td>
<td>↑</td>
</tr>
</tbody>
</table>

↑ – ↑↑↑↑ Indicates level of increased sensitivity