## Gene Ontology Summary for gene: egl-23

### Biological process

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
<th>Evidence</th>
</tr>
</thead>
<tbody>
<tr>
<td>potassium ion transport</td>
<td>The directed movement of potassium ions (K⁺) into, out of, within or between cells.</td>
<td>Inferring from electronic annotation (IEA) via InterPro</td>
</tr>
</tbody>
</table>

### Cellular component

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
<th>Evidence</th>
</tr>
</thead>
<tbody>
<tr>
<td>membrane</td>
<td>Double layer of lipid molecules that encloses all cells, and, in eukaryotes, many organelles; may be a single or double lipid bilayer; also includes associated proteins</td>
<td>Inferring from electronic annotation (IEA) via InterPro</td>
</tr>
</tbody>
</table>

### Molecular function

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
<th>Evidence</th>
</tr>
</thead>
<tbody>
<tr>
<td>potassium channel activity</td>
<td></td>
<td>Inferring from electronic annotation (IEA) via InterPro</td>
</tr>
</tbody>
</table>

## Gene Ontology Summary for term: GO:0006813

### Details

- **ID:** GO:0006813
- **Term:** potassium ion transport
- **Definition:** The directed movement of potassium ions (K⁺) into, out of, within or between cells.
- **Type:** Biological process

### Annotations: Genes/CDSs

- eat-6: B0865.3: WBGene0001157: eat-6 encodes an ortholog of the alpha subunit of K⁺ channel
- egl-23: Y971B11.11: WBGene0001190: egl-23 encodes one of 44 C elegans TWK (two-P domain) potassium channel orthologs
- egl-36: R07A4.11: WBGene0001202: egl-36 encodes a shaker voltage-gated potassium channel
- exp-2: F12F3.1: WBGene0001374: exp-2 encodes a member of the six-transmembrane G protein-coupled receptor family
- fzd-52: K05F6.6: WBGene0001417
- irk-1: R03E5.4: WBGene0002149
- irk-2: M02A10.12: WBGene0002161: irk-2 encodes an inwardly rectifying potassium channel
- kvl-1: C25B8.1: WBGene0002238: kvl-1 encodes one of three C. elegans KCNQ-like potassium channel orthologs
- kvl-2: M605.5: WBGene0002294: kvl-2 encodes a predicted K⁺ channel

### Annotations: Motif

- INTERPRO:IPR001475 Sulphurylurea receptor, type 2
- INTERPRO:IPR003270 Kir1.3 inward rectifier K⁺ channel
- INTERPRO:IPR003278 Kir6.1 inward rectifier K⁺ channel
- INTERPRO:IPR003657 Erg channel
- INTERPRO:IPR003670 Kv1 voltage-gated K⁺ channel
- INTERPRO:IPR003671 Kv2 voltage-gated K⁺ channel
- INTERPRO:IPR003698 Kv1.2 voltage-gated K⁺ channel
- INTERPRO:IPR003696 TASK-1 K⁺ channel
- INTERPRO:IPR003684 KCNE voltage-gated K⁺ channel beta-1 subunit
- INTERPRO:IPR003685 KCNE voltage-gated K⁺ channel beta-2 subunit
Supplemental Figure 1 – Gene Ontology annotations are found in the Gene Ontology section on the Gene page (1a). At the top of the Gene Ontology section there is a link, (in this example, egl-23 gene ontology summary) to a page summarizing all the Gene Ontology annotations (1b). A link on the summary page (i.e., potassium ion transport (G):0006813) takes the user to summary page for the particular Gene Ontology term (1c), which includes other genes that are annotated with this Gene Ontology term and protein motifs to which this term has been associated.