

Table S3. Overlap of wCNEs with known *cis*-regulatory elements. The genes shown in this table were extracted from literature searches for dissected *cis*-regulatory elements. For each gene, we show the number of spatially associated wCNEs (plus the additional wCNE associated with *lir-1*), the number of wCNEs that overlap dissected *cis*-elements and the references in which the experiments are described. In the case of *lin-26*, there is one wCNE, which is closer to the *lir-1* transcription start site than *lin-26*, so it was associated with *lir-1* in our dataset, however experiments showed that it is likely to be a *lin-26* distal *cis*-element.

| Gene | Number of wCNEs | Number of wCNEs that overlap experimentally tested sequences showing <i>cis</i>-regulatory activity | Ref. |
|---------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------|
| <i>myo-2</i> | 1 | 1 | [1] |
| <i>lin-26</i> | 3 (+ 1 spatially associated with <i>lir-1</i>) | 3 (+1) | [2] |
| <i>ceh-22</i> | 2 | 1 (the other wCNE is intronic) | [3] |
| <i>ser-2</i> | 5 | 5 | [4] |
| <i>ric-4</i> | 1 | 1 | [5] |
| <i>egl-5</i> | 1 | 0 (wCNE lies downstream) | [6] |
| <i>ttx-3</i> | 0 | - | [4] |
| <i>sra-11</i> | 0 | - | [4] |
| <i>kal-1</i> | 0 | - | [4] |
| <i>hen-1</i> | 0 | - | [4] |
| <i>unc-17</i> | 0 | - | [4] |
| <i>ceh-10</i> | 0 | - | [4] |
| <i>ceh-23</i> | 0 | - | [4] |
| <i>dpy-7</i> | 0 | - | [7] |
| <i>egl-17</i> | 0 | - | [8] |
| <i>mec-3</i> | 0 | - | [9] |
| <i>her-1</i> | 0 | - | [10] |

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