

Table S3. *apx-1* activity influences the number of nuclei in the germline proliferative zone after the L2 stage in a soma-dependent manner

| Relevant genotype | Time (hours)* | Average \pm s.e.m. | <i>n</i> [†] |
|--|---------------|----------------------|-----------------------|
| <i>apx-1(+)</i> | | | |
| | 17 | 21 \pm 1 | 36 |
| | 24 | 51 \pm 3 | 24 |
| | 31 | 113 \pm 3 | 39 |
| | 41 | 212 \pm 11 | 13 |
| | 48 | 230 \pm 5 | 14 |
| <i>apx-1(or3)</i> | | | |
| | 17 | 20 \pm 3 | 12 |
| | 24 | 68 \pm 3 | 12 |
| | 31 | 98 \pm 6 | 18 |
| | 41 | 166 \pm 26 | 4 |
| | 48 | 171 \pm 6 | 31 |
| Control RNAi | | | |
| | 19 | 22 \pm 1 | 2 |
| | 48 | 208 \pm 0.5 | 3 |
| <i>apx-1(RNAi)</i> | | | |
| | 19 | 23 \pm 0.75 | 4 |
| | 48 | 120 \pm 4 | 4 |
| <i>rrf-1(pk1417); apx-1(RNAi)</i> | | | |
| | 24 | 63 \pm 6 | 16 |
| | 48 | 198 \pm 11 | 16 |

*Hours post-hatch at 25°C. Gravid adults laid eggs overnight at 25°C, progeny were synchronized as L1 larvae by hatch-off and placed on the appropriate RNAi plates and scored after staining with DAPI.

[†]Number of gonad arms counted.