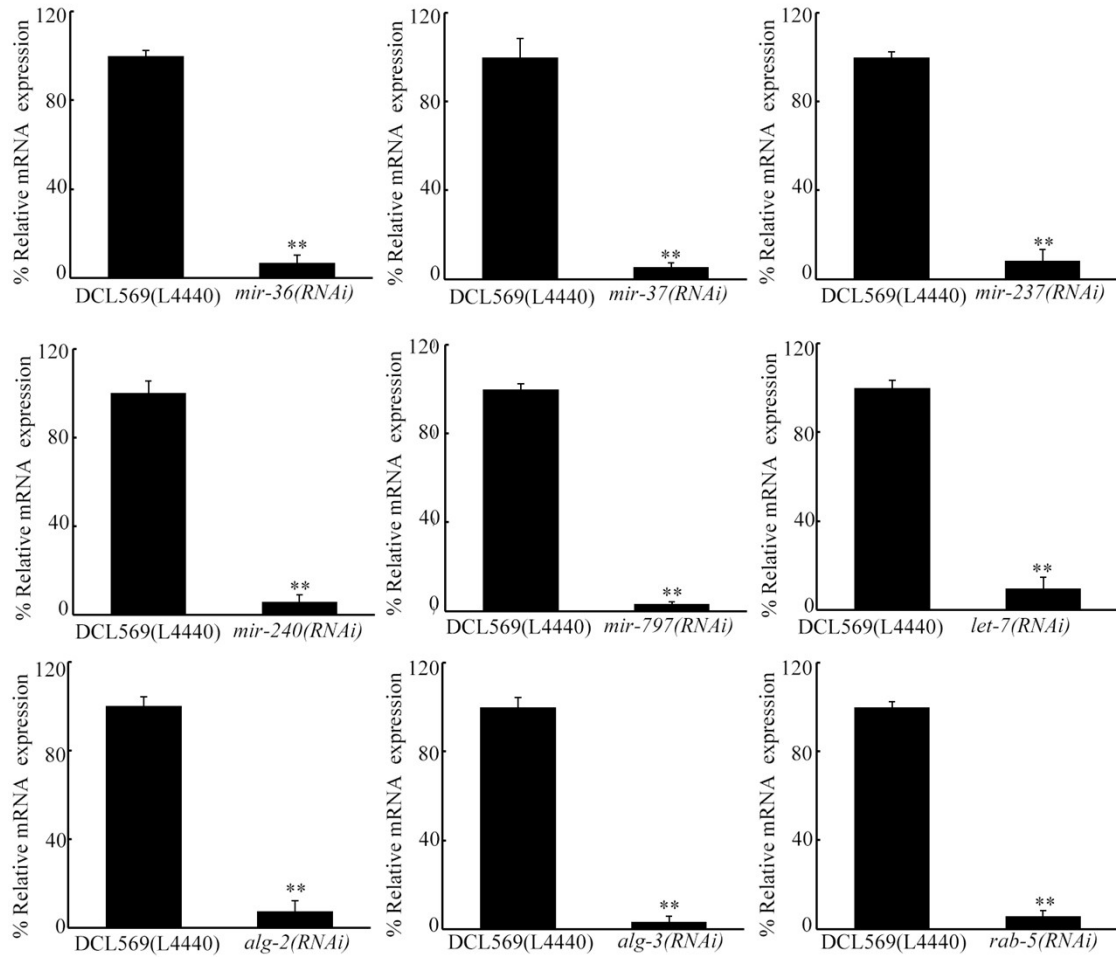


**Supporting Information:**



**Fig. S1.** RNAi efficiency of examined microRNAs and genes. \*\* $P < 0.01$  vs DCL569(L4440).

**Table S1.** Information for *C. elegans* strains

Strains	Genotype	Description
N2		Wild-type
DCL569	<i>mkcSi13[sun-1p::rde-1::sun-1</i> <i>3'UTR + unc-119(+)]</i> ; <i>rde-</i> <i>1(mkc36)</i>	Germline RNAi knockdown tool

**Table S2.** Primer information for qRT-PCR

Gene	Forward primer (5'-3')	Reverse primer (5'-3')
<i>mir-36-3p</i>	GCGTCACCGGGTGAAAATT	AGTGCAGGGTCCGAGGTATT
<i>mir-240-3p</i>	CGTACTGGCCCCCAAATC	AGTGCAGGGTCCGAGGTATT
<i>dpy-11</i>	AAGTATTGCCGTCCCCCAAG	TTACGTGTCGTCGTTGCAGA
<i>rab-5</i>	TTGCGATTTCGTCAAGGGACA	CCGCTTGAGCTCCTCGATAG
<i>ain-1</i>	ACATGCCTCGTTCGGTGAAT	CCCCCTTGGTAGTCTTGCTG
<i>sax-2</i>	CCGAGCTGGCTTCATGTTTG	AGCAAATTGGTGTTTTTGGAATGT
<i>K08D12.6</i>	TGAAGGTGTTTGTATTCTCTCCA	CCATAAGCATTTCTCTTCACGACG
<i>lfe-2</i>	CGGCCTGGCTTCTCCAAATA	CTCAACTTGGACGGGAGCTT
<i>ehs-1</i>	ACCACCTGATCCGTTTGCAT	AGATTTTGGAGGAGCTGGGC
<i>rab-6.2</i>	GTTTCCGCTCACTCATCCCA	GGGTCCATCGTGACCACATT
<i>set-4</i>	GCCTGCTATCCAGCGAAGAT	CGGGAACCATGTCACGAAGA
<i>T04C9.1</i>	ACACGATCTTTCGGAGTCGG	TCCCGTGACGAGCAATTTCA
<i>hbl-1</i>	TCCCATAGCCCCTTACCCTC	TGGTAACGCCCGAACATTGA
<i>ins-3</i>	TCTTATGCGTAACTGGAT	CAGGGAGTGAATGTTATG
<i>ins-39</i>	TTGCAGCCGACGAGTTTC	CCCGACGTGTTTGATGGT
<i>daf-28</i>	GCTCATCGCCATCTTTGC	ACCTGGAACACGGACTGC
<i>daf-2</i>	GCTTACGCGATGAGCTGTGAT	TCGCTGGCGACTATGTGA
<i>egl-17</i>	GGTTTAATGGAAGCGACGCC	ATGACGAGTGCTCAAGTGGG
<i>egl-15</i>	CGGAAACGGATCAAACCTACC	TGCGAGGCGTCATGTTCTTT
<i>lin-44</i>	ACCCTTGAGCACATTACCGA	AGCCGATCACAATCACCTTG
<i>efn-3</i>	TTCCCGGTTGCGTTCAAAC	CCATACCGTCAGGGATTGGG
<i>lag-2</i>	GACATCGGATGGATGGGACC	GGCGTCTTTGACACTGCAAG
<i>vab-1</i>	ATGTGCACAGAGATCTCGCC	CAACTCCGAACGACCAGACA
<i>wrt-3</i>	GCTTGCGGATTACTGTGGA	AGCTGGTTTCACATCGGGAAT
<i>F35C11.9</i>	GAAGATTAGCATGAACC	TTGGAACGCTTTATGAA
<i>tba-1</i>	TCAACACTGCCATCGCCGCC	TCCAAGCGAGACCAGGCTTCAG