

Table S1. Worm strains used in this study

Strain number	Genotype
N2	Ancestral N2 Bristol strain
CB228	<i>unc-61(e228)V</i> .
JJ1473	<i>unc-119(ed3) III</i> ; <i>zuIs45[nmy-2::NMY-2::GFP + unc-119(+)]</i> .
JJ1479	<i>unc-119(ed3) III</i> ; <i>zuEx77[par-6::PAR-6::GFP + unc-119(+)]</i> .
<i>rde-1(ne300)</i>	<i>rde-1(ne300)</i>

Table S2. dsRNAs used in this study

Gene number	Name	Oligo 1	Oligo 2	Template
Y49E10.19	<i>ani-1</i>	TAATACGACTCACTATAGGTCAAACCTCAA TGGAGAGGACAA	AATTAACCCTCACTAAAGGCATTGTGCTT CAAATTCCTCAC	yk488c11
K10B2.5	<i>ani-2</i>	TAATACGACTCACTATAGGGAGACCA CCAACGACTCCAAACGTCAGATA	AATTAACCCTCACTAAAGGGTCTCGTCCG TTCTTGTTTCT	N2 genomic DNA
Y43F8C.14	<i>ani-3</i>	TAATACGACTCACTATAGGATTCTGGAGC CCACAAAATG	AATTAACCCTCACTAAAGGGCGGGAAATT CAAAAATTCA	yk208a1
F20G4.3	<i>nmy-2</i>	TAATACGACTCACTATAGGAATTGAATCT CGGTTGAAGGAA	AATTAACCCTCACTAAAGGACTGCATTTT ACGCATCTTATG	yk41f5
W09C5.2	<i>unc-59</i>	AATTAACCCTCACTAAAGGTCGGACTGCA AATAGCTCGT	TAATACGACTCACTATAGGGCCATTCGT TTCTTCATTG	yk465c12
Y50E8A.4a	<i>unc-61</i>	TAATACGACTCACTATAGGAGCTGTGCGAA GCTGGATTTT	AATTAACCCTCACTAAAGGACGGCTGAAC TCGTCTTGAT	yk411f2
Yeast gene	<i>ndc10</i>	TAATACGACTCACTATAGGCAAATCGCCC TACACTTCGT	AATTAACCCTCACTAAAGGTCCATTTGGT CCCGTAAAAA	Yeast genomic DNA
Y49E10.19	<i>ani-1*</i>	AATTAACCCTCACTAAAGGAGCCAAAGG AGACAACTCCA	TAATACGACTCACTATAGGTGCTGATGTA GGTGCAGGAG	N2 cDNA
K10B2.5	<i>ani-2*</i>	AATTAACCCTCACTAAAGGTTGGATGGGA CTCCAAAAAG	TAATACGACTCACTATAGGCAGCGTGAGG TGTAACGAGA	yk374e5
Y43F8C.14	<i>ani-3*</i>	AATTAACCCTCACTAAAGGCTTGAAGCCC AAAAATCGAA	TAATACGACTCACTATAGGGCTGAGCCAC GAATTC AAGT	N2 cDNA
Yeast gene	<i>ctf13</i>	TAATACGACTCACTATAGGTGTGGAGCTT CCAGGAAAAC	AATTAACCCTCACTAAAGGCTCGATGTTC CACCATTGA	Yeast genomic DNA

dsRNAs were amplified from either N2 genomic DNA, N2 cDNA or gene-specific cDNAs as indicated.

All dsRNAs were 1-3 mg/ml.

*Second dsRNA used for each anillin protein to ensure specificity.