

**Table S2. Sequence alterations in *exc-2* and *ifa-4* alleles**

Mutations in *exc-2* and *ifa-4*, including deletions and sites of insertion induced by CRISPR/Cas9 modification. Numbers indicate bases of the X chromosome (non-template strand) as presented on Wormbase Release WS262. Capital letters indicate coding regions. “-“ indicates base deleted. Arrows indicate site of insertion of indicated fluorescent and antigenic tags.

Description	Sequence (5'-to-3') of non-template strand.
<i>exc-2</i> wild-type sequence surrounding exon 8	<p>X: 648662 648638</p> <p>   </p> <p>...gatttccccccccccccctccccctcaatccaagtcacctacgatctgcttt...</p> <p>X: 648537 648518</p> <p>   </p> <p>...CAATCGAACCACCTAGAAAGAAAGAGATCAAAACCGAGATGCCAACTGTGAACG...</p> <p>X: 648285 648244</p> <p>   </p> <p>...gcgaagtttttgtagtattgatatctgtaaacctgaaaaattttcatatata...</p>
<i>exc-2(rh90)</i> : 3 deletions in region surrounding exon 8	<p>...gattt-----ccaagtcacctacgatctgcttt...</p> <p>...CAATCGAACCACCT-----CGAGATGCCAACTGTGAACG...</p> <p>...gcgaag-----atata...</p>
<i>exc-2</i> wild-type sequence prior to exon 8	<p>X: 648672</p> <p> </p> <p>...gcattgttttttacgttggtttgtcccagatttccccccccccccctccccctc aatccaagtcacctacgatctgcttttttacatgttcagtttttttttgga aagttgtttgcagtttaatatcatcagttttccagCAATCGAACCACCTAGAAAGA AAGAGATCAAAACCGAGATGCCAACTGTGAACGCCTTGACCAAACAATTTGAAAT TTCGTTCGACGAGGAAAAAGTCGTTCCGTTGAAACCAAGAAAAAGCTCCAATGT...</p> <p> </p> <p>X: 648460</p> <p>X: 647477 X: 647440</p> <p>   </p> <p>...CTAAGATTGGAGgtttgtacatactgttggtggaatgctgaccgactaacgtc...</p> <p>X: 645222 X: 645191</p> <p>   </p> <p>...caattgcagGTTTCGTTTTCTGGAAGCTCAAAACCGATGCCTCAGCCACGATAT...</p>
Sequence at end of exon 10	
Sequence at start of exon 15	
<i>exc-2(rh105)</i> : Deletions at exon 8, exon 10, and at exon 15	<p>...gcattgttttttacgttggttttg-----</p> <p>-----</p> <p>-----</p> <p>-----</p> <p>-----AAAGTCGTTCCGTTGAAACCAAGAAAAAGCTCCAATGT...</p> <p>...CTAAGATTG-----aacgtc...</p> <p>...caattg-----CCTCAGCCACGATAT...</p>

