

Supplementary Table 1: List of primers and transgenic arrays generated in this study.

DNA constructs	Primer sequence	Transgenic array
<i>ceh-36^{prom}::gfp::cog-1</i>	5'-tttgaattcctttaagcgtttacacct; 3'-tttcggccgtaataatctaaatgatg	<i>otEx2647; otEx2648;</i> <i>otEx2649</i>
<i>ceh-36^{prom}::gfp::cog-1</i> seed point mutation C to A in position #5	5'-ccaaatcatcgtcactataaaaaaaccaactcctttacc 3'-ggtaaaaggagtttggtttttataagtgacgatgattgg Outside primers same as for <i>ceh-36^{prom}::gfp::cog-1</i>	<i>otEx2653; otEx2654</i>
<i>ceh-36^{prom}::gfp::cog-1</i> mutated seed only	5'-gccatttttttttttaaaaaatacaaaaaaaccaactccc 3'-gggagtttggtttgtatttttaaaagaaaaaaatggc Outside primers same as for <i>ceh-36^{prom}::gfp::cog-1</i>	<i>otEx2655; otEx2656;</i> <i>otEx2657</i>
<i>ceh-36^{prom}::gfp::unc-54</i>	5'-tttgaattctgccaattactctcaacatccc; 3'-tttcggccgaaacagttatggttggatattggg	<i>otEx2645; otEx2646</i>
<i>ceh-36^{prom}::gfp::lin-28</i>	5'-tttgaattcctcaaatagatttctctcgt; 3'-tttcggccgcaaaactctcgatttatttcagcg	<i>otEx2658; otEx2659;</i>
<i>ceh-36^{prom}::gfp::unc-54 +</i> <i>lisy-6 site</i>	5'-ccaaatcatcgtcactatacaaaattcttcgcacgtctggcc; 3'-aagaaataaaaattgctggtttgtataagtgacgatgattgg Outside primers same as for <i>ceh-36^{prom}::gfp::unc-54</i>	<i>otEx2650; otEx2651;</i> <i>otEx2652</i>
<i>ceh-36^{prom}::gfp::lin-28 +</i> <i>lisy-6 site</i>	5'-ccaaatcatcgtcactatacaaaactcaaatgactctcaggg; 3'-tttgataagtgacgatgattgtagagggaattgagtaaaac Outside primers same as for <i>ceh-36^{prom}::gfp::lin-28</i>	<i>otEx2660; otEx2661;</i> <i>otEx2662</i>
<i>ceh-36^{prom}::gfp::cog-1 G:U</i> in position #2	5'-ccaaatcatcgtcactatacaaga 3'-tctgtataagtgacgatgattgg Outside primers same as for <i>ceh-36^{prom}::gfp::cog-1</i>	<i>otEx2666; otEx2667;</i> <i>otEx2668</i>
<i>ceh-36^{prom}::gfp::cog-1 G:U</i> in position #3	5'-ccaaatcatcgtcactatacaaga; 3'-ttctgataagtgacgatgattgg Outside primers same as for <i>ceh-36^{prom}::gfp::cog-1</i>	<i>otEx2669; otEx2670;</i> <i>otEx2671; otEx2672;</i> <i>otEx2673</i>
<i>ceh-36^{prom}::gfp::cog-1 G:U</i> in position #4	5'-ccaaatcatcgtcactatacaaga; 3'-tttcgataagtgacgatgattgg Outside primers same as for <i>ceh-36^{prom}::gfp::cog-1</i>	<i>otEx2674; otEx2675;</i>
<i>ceh-36^{prom}::gfp::cog-1 G:U</i> in position #6	5'-ccaaatcatcgtcactatgcaaaa; 3'-tttgataagtgacgatgattgg Outside primers same as for <i>ceh-36^{prom}::gfp::cog-1</i>	<i>otEx2676; otEx2677;</i> <i>otEx2678</i>
<i>ceh-36^{prom}::gfp::cog-1 G:U</i> in position #8	5'-ccaaatcatcgtcactatgcaaaa; 3'-tttgataagtgacgatgattgg Outside primers same as for <i>ceh-36^{prom}::gfp::cog-1</i>	<i>otEx2679; otEx2680</i>
<i>ceh-36^{prom}::gfp::cog-1 G:U</i> in position #6 and #8	5'-ccaaatcatcgtcactatgcaaaaaccaaactccc 3'-gggagtttggttttgcaaaagtgacgatgattgg Outside primers same as for <i>ceh-36^{prom}::gfp::cog-1</i>	<i>otEx2765; otEx2766</i>
<i>ceh-36^{prom}::gfp::cog-1 G:U</i> in position #2 and #6	5'-ccaaatcatcgtcactatgcaaaagaccaaactccc 3'-gggagtttggttttgcaaaagtgacgatgattgg Outside primers same as for <i>ceh-36^{prom}::gfp::cog-1</i>	<i>otEx2767; otEx2768;</i> <i>otEx2769</i>
<i>ceh-36^{prom}::gfp::C02B8.4</i>	5'-tttgaattcttgaataatggaaaaaactggcc; 3'-tttcggccgatttggctccgatggcc	<i>otEx2681; otEx2682;</i> <i>otEx2683</i>
<i>ceh-36^{prom}::gfp::F55G1.12</i>	5'-tttgaattcattgattttatttttaatttaagt; 3'-tttcggccgatcatttaactcactattttg	<i>otEx2684; otEx2685;</i> <i>otEx2686</i>
<i>ceh-36^{prom}::gfp::C48D5.2A</i>	5'-tttgaattcgtttttcaaaaaataca; 3'-aaacggccgggggaaatgataaaaat	<i>otEx2687; otEx2688</i>
<i>ceh-36^{prom}::gfp::F59A6.1</i>	5'-tttgaattctttctgtagtttctctgt; 3'-aaacggccgtaattggccatgagattgtg	<i>otEx2689; otEx2690;</i> <i>otEx2691</i>
<i>ceh-36^{prom}::gfp::F40H3.4</i>	5'-tttgaattcattgtaataactaaaggctc; 3'-tttcggccgtgtaattttacgaaaaatgaatatg	<i>otEx2692; otEx2693</i>
<i>ceh-36^{prom}::gfp::T05C12.8</i>	5'-tttgaattctacaactaaatgtggcaaacg; 3'-tttcggccgatttcccgtttaccctgtt	<i>otEx2694; otEx2695;</i> <i>otEx2696</i>
<i>ceh-36^{prom}::gfp::C27H6.3</i>	5'-tttgaattcttgaaaaatgtgatgttttc; 3'-tttcggccgatctatcatgtttcgatactttg	<i>otEx2697; otEx2698;</i> <i>otEx2699</i>
<i>ceh-36^{prom}::gfp::T23E1.1</i>	5'-tttgaattcaaatgagatcaaatgttc; 3'-tttcggccgaaaaaatgaagagcgtgtgtttgta	<i>otEx2700; otEx2701</i>
<i>ceh-36^{prom}::gfp::T14G12.2</i>	5'-tttgaattcctcacaaaaagtgtggtgcg; 3'-tttcggccgacgcaaaagcagatgtgaca	<i>otEx2702; otEx2703;</i> <i>otEx2704</i>
<i>ceh-36^{prom}::gfp::ZK637.13</i>	5'-tttgaattcttgaccctttatattgtatttgaatga; 3'-tttcggccgctttgtttttgtacaaaaacgtttcc	<i>otEx2717; otEx2718;</i> <i>otEx2719</i>
<i>ceh-36^{prom}::gfp::T20G5.9</i>	5'-tttgaattcgcaacgattaaatagattctacc; 3'-tttcggccgtcaattcgtgattctgtg	<i>otEx2720; otEx2721;</i> <i>otEx2722</i>
<i>ceh-36^{prom}::gfp::R07E3.5</i>	5'-tttgaattcagttttgatgtacaaaaactagcc; 3'-tttcggccgtttggcaaatggaaccgttcaaacg	<i>otEx2723; otEx2724;</i>
<i>ceh-36^{prom}::gfp::T04C9.2</i>	5'-tttgaattccgcaataactttgttcggc; 3'-tttcggccgcacacaatgtctaatcgtgccc	<i>otEx2725; otEx2726;</i> <i>otEx2727</i>