

Table S2 Repair oligos used for this study

Primer	Description	Sequence
1580	PAGE purified <i>nhr-25::2x FLAG</i> (sense 135mer)	aagccacatacactgctgtgccgtacatggcatcaggatccggagggtggcggggattacaaggatg acgacgataaggattacaaggatgacgacgataagtaatgtctctgcataggagctgaaaactt caa
1719	<i>nhr-23::2xFLAG</i> (sense 199mer; PAM #1 mutated)	tgtctgatccaacatcatctgaaaagcttctgcccctctacaagagctattcactgcagatcgacct ggatccggagggtggcggggattacaaggatgacgacgataaggattacaaggatgacgacgata agtgactgaatccatataatcatcaatagttttatccatgctctcctccatccccgtccatgaat
1831	<i>nhr-23::2xFLAG</i> (sense 200mer; PAM #1 and #2 mutated)	aaaactccgaatgctgatccaacatcatctgaaaagcttctgacctctacaagagctattcact gcagatcgacctggatccggagggtggcggggattacaaggatgacgacgataaggattacaagga tgacgacgataagtgactgaatccatataatcatcaatagttttatccatgctctcctccatccc
1832	<i>nhr-23::2xFLAG</i> (antisense 200mer; PAM #1 and #2 mutated)	gggataggggaaggagacatggataaaaactattgatgatataatggattcagtcacttatcgtcgtca tccttgaatccttatcgtcgtcatccttgaatccccccacctccggatccaggatcgtcagtg aatagctctttagatgagtcaggaagctttcagatgatgttgatcagacattcggaaagtttt
1899	PAGE purified <i>pha-1</i> repair (sense 80mer)	caaaatcgaatcgaagactcaaaaagagtatgctgtatgattacagatgttcatcaagttattcat aatcattgatag
1985	PAGE purified <i>pha-1</i> repair (antisense 80mer)	ctatcaatgatttatgaataacttgatgaacatctgtaatcacacgatactcttttgagtcttcgat tcgtattttg
1986	<i>pha-1</i> repair (sense 60mer)	aatcgaagactcaaaaagagtatgctgtatgattacagatgttcatcaagttattcataa
1987	<i>pha-1</i> repair (sense 200mer)	ggagttttgttacattacatttcaggttcttaaaacaaacctgaagattatggtaatacaaaatc gaatcgaagactcaaaaagagtatgctgtatgattacagatgttcatcaagttattcataaatcatt gataggttcagattgtaagtcttgattatctatcgttttgtaaagtgactaaactttaatcatta
1989	<i>nhr-25::2xFLAG</i> (sense 175mer; PAM mutated)	caggctccagcaatccaactgccaaccccacaagccacatataccgcagtccttatatggcatca ggatccggagggtggcggggattacaaggatgacgacgataaggattacaaggatgacgacgata agtaatgtctctgcataggagctgaaaactccaatggagttag
2014	<i>nhr-25::3xFLAG</i> (sense 193mer; PAM mutated)	actcaggtccagcaatccaactgccaaccccacaagccacatataccgcagtccttatatggcat caggatccggagggtggcggggactcaaaagaccatgacgggtgattataaagatcatgatatcgatt acaaggatgacgatgacaagtaatgtctctgcataggagctgaaaactccaatggagt
2015	<i>nhr-23::3xFLAG</i> (sense 193mer; PAM #1 and #2 mutated)	ttccgaatgctgatccaacatcatctgaaaagcttctgacctctacaagagctattcactgcaga tcgacctggatccggagggtggcggggactcaaaagaccatgacgggtgattataaagatcatgat cgattacaaggatgacgatgacaagtgactgaatccatataatcatcaatagttttatccatgctc
2085	<i>nhr-25::3xFLAG</i> (sense 193mer; PAM mutated)-PAGE purified	actcaggtccagcaatccaactgccaaccccacaagccacatataccgcagtccttatatggcat caggatccggagggtggcggggactcaaaagaccatgacgggtgattataaagatcatgatatcgatt acaaggatgacgatgacaagtaatgtctctgcataggagctgaaaactccaatggagt

2086	<i>nhr-23::2xFLAG</i> (sense 140mer; 35 bp homology arms)	cctgccctctacaaagagctattcactgcagatcgacctggatccggagggtggcggggattacaag gatgacgacgataaggattacaaggatgacgacgataagtgactgaatccatataatcatcaatagt ttatcca
2087	<i>nhr-23::2xFLAG</i> (sense 120mer; 25 bp homology arms)	acaaagagctattcactgcagatcgacctggatccggagggtggcggggattacaaggatgacgac gataaggattacaaggatgacgacgataagtgactgaatccatataatcatcaata
2088	<i>nhr-23::2xFLAG</i> (sense 100mer; 15 bp homology arms)	attcactgcagatcgacctggatccggagggtggcggggattacaaggatgacgacgataaggatta caaggatgacgacgataagtgactgaatccat
2089	<i>nhr-23::2xFLAG</i> (sense 200mer; PAM #1, #2, and #3 mutated)	aaaacttccgaatgtctgatccaacatcatctgaaaagcttctgcactctacaaagagctattcact gcagatcgacctggatccggagggtggcggggattacaaggatgacgacgataaggattacaagga tgacgacgataagtgactgaatccatataatcatcaatagtttatccatgctctcctccctatccc
2099	<i>lig-4</i> (sense 60mer; insert stop codon, delete part of exon 1)	agtagttgacgtcttcaacaagatttaaggatccgtaagacaattgggccaactattaca
2105	<i>2xFLAG::smo-1</i> (sense 175mer; PAM mutated)	ttctctttcaaatctaatttcgtttcagagactcccgtataaacgatggattacaaggatgacgac gataaggattacaaggatgacgacgataaggatccgctgacgacgacggcacaggcaggcgaca acgccgaatacatcaagatcaaggtcgttgacaggtat