

**Table S13:**

Primer sequences used to follow deletion mutations or for RT-PCRs are listed in table below.

Gene target	Experiment	Sequence
<i>gsa-1</i>	Confirm anti-dsRNA IP RNA-seq enrichment	Fwd: ggggtgctcggcgctggcgc Rev: cagccagcggttgtccagatg
<i>unc-61</i>	Confirm anti-dsRNA IP RNA-seq enrichment	Fwd: cggtgacctcgtgttcatatcggag Rev: gtgggagaagctctgcttgagcgg
<i>rgef-1</i>	Confirm anti-dsRNA IP RNA-seq enrichment	Fwd: gtactgaatattacatcatcgtcatcag Rev: ctccgagagctccatctagag
TC1	Confirm anti-dsRNA IP RNA-seq enrichment	Fwd: aaccgtaagcatggagggtg Rev: cacatgacgacgttgaaacc
<i>gfi-1</i>	Confirm anti-dsRNA IP RNA-seq enrichment	Fwd: gtacctcctgaactggcctaac Rev: gaaacagttgatggctgtgtgg
<i>haf-6</i>	Confirm anti-dsRNA IP RNA-seq enrichment and anti-TDP-1 IP	Fwd: caggctcgtcgtcctcag Rev: ggcggtttcacccaatttc
<i>let-2</i>	Confirm anti-dsRNA IP RNA-seq enrichment	Fwd: gaaatcccataaccaagacctcg Rev: gagagccagtaagactgtcg
<i>mca-3</i>	anti-TDP-1 IP	Fwd: cgataattgaaacccggttacgc Rev: agactcgtataccctaatctgacacc
<i>ppfr-1</i>	anti-TDP-1 IP	Fwd: gcgtgtgccccagcagggc Rev: cgctcaacggcgaggaaaggcgcc
<i>snx-6</i>	anti-TDP-1 IP	Fwd: agcctcaaatcgatgaatagttcac Rev: cgcgagagaaattccactttccag
<i>pme-3</i>	anti-TDP-1 IP	Fwd: aggacattcccatcagaaaggcttc Rev: cgaaaattcacaagccttgcgtcag
<i>npp-8</i>	anti-TDP-1 IP	Fwd: gagaacatcggcgaacaggcgtgg Rev: agcgcggtcgccgaccgctc
<i>map-2</i>	anti-TDP-1 IP	Fwd: gagccccgaggagttggcg Rev: cgaggcaccacggattcaagatc
<i>gly-5</i>	anti-TDP-1 IP	Fwd: gcgattcgtccgcccactc Rev: agcgtcctcgcgtccgcccacttc
<i>pqn-41</i>	Detection of alternative splicing	Fwd: cgtcgaacataaacaatcgat Rev1: gcaacacgtcgcgttgcttc Rev2: ctgcaactgctgctgttgctgc
<i>tdp-1</i>	Detection of <i>ok803</i>	Fwd: ttgcaagcatcgtttccgggtgc

	deletion	Rev: gaattctgtgaacacgacgccatac
<b><i>tdp-1</i></b>	Detection of wild type DNA	Fwd: gtgttctctgaggtctgtgag Rev: cagtagcgatcctttgctg
<b><i>tdp-1</i></b>	RT-PCR of <i>tdp-1</i> deletion alleles (N-term)	Fwd: atggccgacgaaacgccgaag Rev: gacaacgctctgactctctcgctc
<b><i>tdp-1</i></b>	RT-PCR of <i>tdp-1</i> deletion alleles (C-term)	Fwd: atggccgacgaaacgccgaag Rev: cactgatgacattctgac
<b>HervK*</b>	RT-PCR of J2-IP in M17 human cell lysate	Fwd: tccccttgaataactctgttttYgt Rev: cattccttgggtaaaactttccaYtg
<b><i>FAM114A2</i></b>	RT-PCR of J2-IP in M17 human cell lysate	Fwd: cctcaagcaatcttcccctgcc Rev: gaggaagagatggtacagtca
<b><i>GPBP1L1</i></b>	RT-PCR of J2-IP in M17 human cell lysate	Fwd: ccattctttactctctctatcc Rev: gctcacctctgaataaattcac
<b><i>MEF2D</i></b>	RT-PCR of J2-IP in M17 human cell lysate	Fwd: ggtgtgtctgaatgaacataatacc Rev: gctgtgcttaggtgccaagt
<b><i>NCAD1</i></b>	RT-PCR of J2-IP in M17 human cell lysate	Fwd: gcctgtccaccttctctctcc Rev: ggcgaggccaagattgaggacctg
<b><i>FUS/TLS</i></b>	RT-PCR of J2-IP in M17 human cell lysate	Fwd: cccaactcccagcaatgctt Rev: accctaccctttctggaggt
<b><i>HP1BP3</i></b>	RT-PCR of J2-IP in M17 human cell lysate	Fwd: ccacatacaatggtggtccc Rev: ctgggactacaggcgtgcacc
<b><i>dnj-5</i></b>	Verification of alternative splicing change in <i>tdp-1(ok803)</i> mutants	Fwd(1): gggctacttgcaagaagaacaag Rev(1): gggaactgaactgggagatc Rev(2): cgcacgttggctctctgtta
<b><i>ikke-1</i></b>	Verification of alternative splicing change in <i>tdp-1(ok803)</i> mutants	Fwd: cgcaggttgaagtgcggaatc Rev: gtctagaaaatcagtgcttctgcc
<b><i>kin-25</i></b>	Verification of alternative splicing change in <i>tdp-1(ok803)</i> mutants	Fwd(1): gcctgtggcaggttctttcatcc Rev(1): gcgatggagcagcaggttggtg Fwd(2): gcctgtggcaggcaatgacagcg Rev(2): cgaatggcggctctgactggt
<b><i>pmt-1</i></b>	Verification of alternative splicing change in <i>tdp-1(ok803)</i> mutants	Fwd(1): ggatcaaactgtagccatgggt Fwd(2): ttacaaaaagccatggtgaacg Rev: cggtggtgaatcgcccgattcc
<b><i>Y69H2.3</i></b>	Verification of alternative splicing change in <i>tdp-</i>	Fwd(1): gtccggctactggctccacac Rev(1): gtcagtctgcccagtcggtg

	1(ok803) mutants	Fwd(2): cagcgacaagagaccaagaatgc Rev(2): ccaccaccagccaccaacctca
<b>gly-5</b>	Verification of alternative splicing change in <i>tdp-1(ok803)</i> mutants	Fwd: taatcaatgggtgattcggagac Rev(1): cgacagcatccagtactgattcc Rev(2): cgcactgttgccgacacctctctt
<b>Y41E3.7</b>	Verification of alternative splicing change in <i>tdp-1(ok803)</i> mutants	Fwd(1): gaaggctataaaaagacgcggaac Rev(1): gcaggggtggaaggcaaatcc Fwd(2): gacggtgacggtccgggtccc Rev(2): cggatcaacacgtctgtctgc
<b>col-54</b>	Verification of abundance change in <i>tdp-1(ok803)</i> mutant poly(A)-seq	Fwd: tccaataactgcctccgggag Rev: gcttctcatctcaaataccaacg
<b>gst-24</b>	Verification of abundance change in <i>tdp-1(ok803)</i> mutant poly(A)-seq	Fwd: acgtcgagttgaggatgttc Rev: ttggcaaggtagcggagaattgca
<b>oac-29</b>	Verification of abundance change in <i>tdp-1(ok803)</i> mutant poly(A)-seq	Fwd: cagaccaaactgatagactattgaatgc Rev: aagtgttaagtgagatccatcg
<b>ZC416.2</b>	Verification of abundance change in <i>tdp-1(ok803)</i> mutant poly(A)-seq	Fwd: caacccaaatcagccacaag Rev: ctatcacagcacacctctcc
<b>pgp-8</b>	Verification of abundance change in <i>tdp-1(ok803)</i> mutant poly(A)-seq	Fwd: tttgtttcagttgcccg Rev: agcactgtcgttcatctag
<b>W02D7.5</b>	Verification of abundance change in <i>tdp-1(ok803)</i> mutant poly(A)-seq	Fwd: tctcgaaatcagatagttctcc Rev: cgaagtacacgattgcctttg
<b>sip-1</b>	Verification of abundance change in <i>tdp-1(ok803)</i> mutant poly(A)-seq	Fwd: aatcttgagggacacgttctc Rev: gatgacggtgtggatgtgat
<b>W02D7.11</b>	Verification of abundance change in <i>tdp-1(ok803)</i> mutant poly(A)-seq	Fwd: cacaactccaaggaagacctc Rev: ctgaactcctgtggtctcttg
<b>dod-3</b>	Verification of abundance change in <i>tdp-1(ok803)</i> mutant poly(A)-seq	Fwd: agccatgtcccgaatgag Rev: cgatgaattgttcgaatcctgg

\* HervK primer sequences taken from Douville et. al, 2011.

