

Supplementary Materials: Aurintricarboxylic Acid Decreases RNA Toxicity in a *C. elegans* Model of Repeat Expansions

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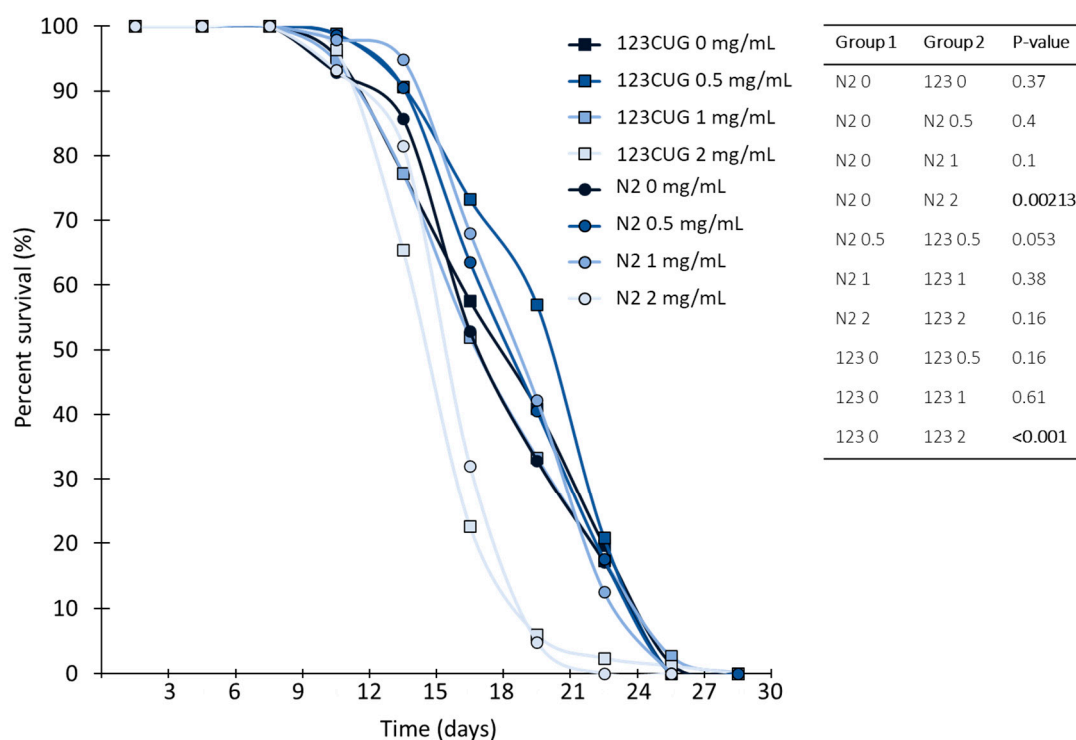


Figure S1. Lifespan of N2 and 123CUG following treatment with increasing doses of ATA.

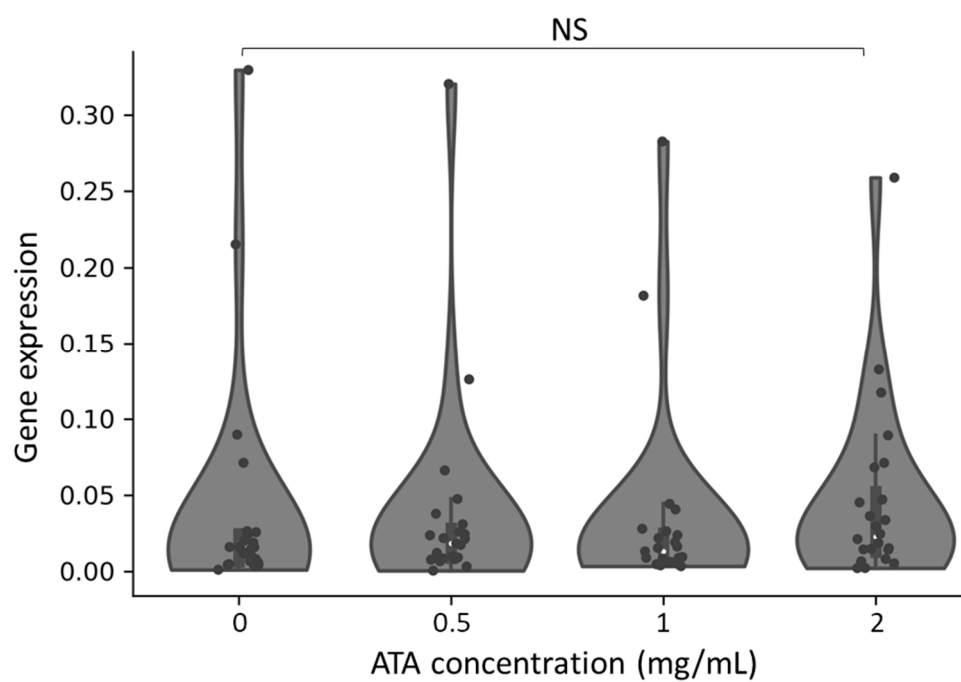


Figure S2. Gene expression of CTG-bearing genes in N2 nematodes following treatment with increasing doses of ATA. The qPCR is an average of three biological experiments and three technical replicates.

Table S1. Primer sequences for RT-qPCR.

Gene		
ast-1	Forward Primer	5'-AGTGGCTCGAAAATGGGGAG-3'
	Reverse Primer	5'-AGCCTGTGCGATTCTTGAA-3'
rga-4	Forward Primer	5'-ACACTCTTGGAGAGGTATGCT-3'
	Reverse Primer	5'-TTCCTTGCGGAAAATCCCGT-3'
Y75B8A.8	Forward Primer	5'-AACATTCCCACAGGACTCGG-3'
	Reverse Primer	5'-GAAGATTGCTCTGGGGACGA-3'
ssl-1	Forward Primer	5'-AGCCAGGATGCGAAGATTGA-3'
	Reverse Primer	5'-GTTGATTTTGAGCCGTTTCG-3'
R08C7.11	Forward Primer	5'-ATGGTCGGAGGGTGTCTTCT-3'
	Reverse Primer	5'-GTCTGCGTCGTGTACTCCTT-3'
Y23H5A.8	Forward Primer	5'-TCGTGTGGAACGACCATCTG-3'
	Reverse Primer	5'-ATCCTGGTCCCTTGGTCCAT-3'
mex-1	Forward Primer	5'-AAAACCAGAGAACATTTCGACC-3'
	Reverse Primer	5'-CGACGAGCAGTGTATCCTCC-3'
pqn-41	Forward Primer	5'-CGCATACCAGTGACACCGAA-3'
	Reverse Primer	5'-CGGAATTCTCATCCCTCCG-3'
pqn-65	Forward Primer	5'-CGACGAATCGGCTGAAGTACA-3'
	Reverse Primer	5'-GTCCTGCGACTGCTCCTAAG-3'
Y105E8A.2	Forward Primer	5'-GACTTATCAGGTTTGCCACGG-3'
	Reverse Primer	5'-CATTTTCGATTTCGGCGGGTC-3'
daf-2	Forward Primer	5'-AATGCCGAGAGACACGATGC-3'
	Reverse Primer	5'-GGCTTCTTTCCACCGAGAGT-3'
Y53G8AR.9	Forward Primer	5'-TTTATCATCCGTCCGAGGCG-3'
	Reverse Primer	5'-CTGGCACCTTCGATTCTGAT-3'
Y92H12A.5	Forward Primer	5'-TCTGTTTCGAACGGGCTCTC-3'
	Reverse Primer	5'-GGCGTTCTCATTACCCCAA-3'
F09C8.2	Forward Primer	5'-AATCTGAAACCGGAGCAGCA-3'
	Reverse Primer	5'-AGTTTGGTGTGAGCAGAGGAG-3'
Y61A9LA.3	Forward Primer	5'-GCTCTGGAGACTGGCTACAA-3'
	Reverse Primer	5'-CTTTGATCTCCTGGTCCCGC-3'
C41D11.3	Forward Primer	5'-TGGACAAGGCAGTTCGTTGG-3'
	Reverse Primer	5'-GTGTTGAGCAGCACTTCTCG-3'
K10D6.4	Forward Primer	5'-TTCACCGAATGCACACCGTA-3'
	Reverse Primer	5'-CTTCCGTGGGACACACAAGA-3'
scm-1	Forward Primer	5'-ACCAACCACTCATCAGTCAAC-3'
	Reverse Primer	5'-ACCTGCTGCACTTCTCTGTC-3'
M01E5.3	Forward Primer	5'-TATGTATGCTGCTGGGCTGG-3'
	Reverse Primer	5'-ATTCACGGACGTGCACAATG-3'
tra-1	Forward Primer	5'-GCCCAACAAGTGTGAGTATCC-3'
	Reverse Primer	5'-TTCTCCGGTGGGTTTTTCAGG-3'
sfa-1	Forward Primer	5'-ATTGCTGAAGCCACTGCTCT-3'
	Reverse Primer	5'-GAGCTCCGTTTGCCAAATCC-3'
pde-6	Forward Primer	5'-ATCGCAAATCGCCAAAGACG-3'
	Reverse Primer	5'-ACGCGTATTCCACGTCACAT-3'
Y54G2A.3	Forward Primer	5'-AAAAACCAGCGGATGAGGTGA-3'
	Reverse Primer	5'-TTTGAGAGCTTCTAGTTTGTACGGA-3'

Y56A3A.6	Forward Primer	5'-TGTTATGCCACCGCGAAAAG-3'
	Reverse Primer	5'-GAGGTGGCTGATGGTGGAAA-3'
cdc-42	Forward Primer	5'-CTGCTGGACAGGAAGATTACG-3'
	Reverse Primer	5'-CTCGGACATTCTCGAATGAAG-3'
rpl-32	Forward Primer	5'-AGGGAATTGATAACCGTGTCCGCA-3'
	Reverse Primer	5'-TGTAGGACTGCATGAGGAGCATGT-3'